Version 1.0
Published March 2014
Copyright©2014 ASRock INC. All rights reserved.

Copyright Notice:

No part of this documentation may be reproduced, transcribed, transmitted, or translated in any language, in any form or by any means, except duplication of documentation by the purchaser for backup purpose, without written consent of ASRock Inc.

Products and corporate names appearing in this documentation may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

Disclaimer:

Specifications and information contained in this documentation are furnished for informational use only and subject to change without notice, and should not be constructed as a commitment by ASRock. ASRock assumes no responsibility for any errors or omissions that may appear in this documentation.

With respect to the contents of this documentation, ASRock does not provide warranty of any kind, either expressed or implied, including but not limited to the implied warranties or conditions of merchantability or fitness for a particular purpose.

In no event shall ASRock, its directors, officers, employees, or agents be liable for any indirect, special, incidental, or consequential damages (including damages for loss of profits, loss of business, loss of data, interruption of business and the like), even if ASRock has been advised of the possibility of such damages arising from any defect or error in the documentation or product.

The terms HDMI™ and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

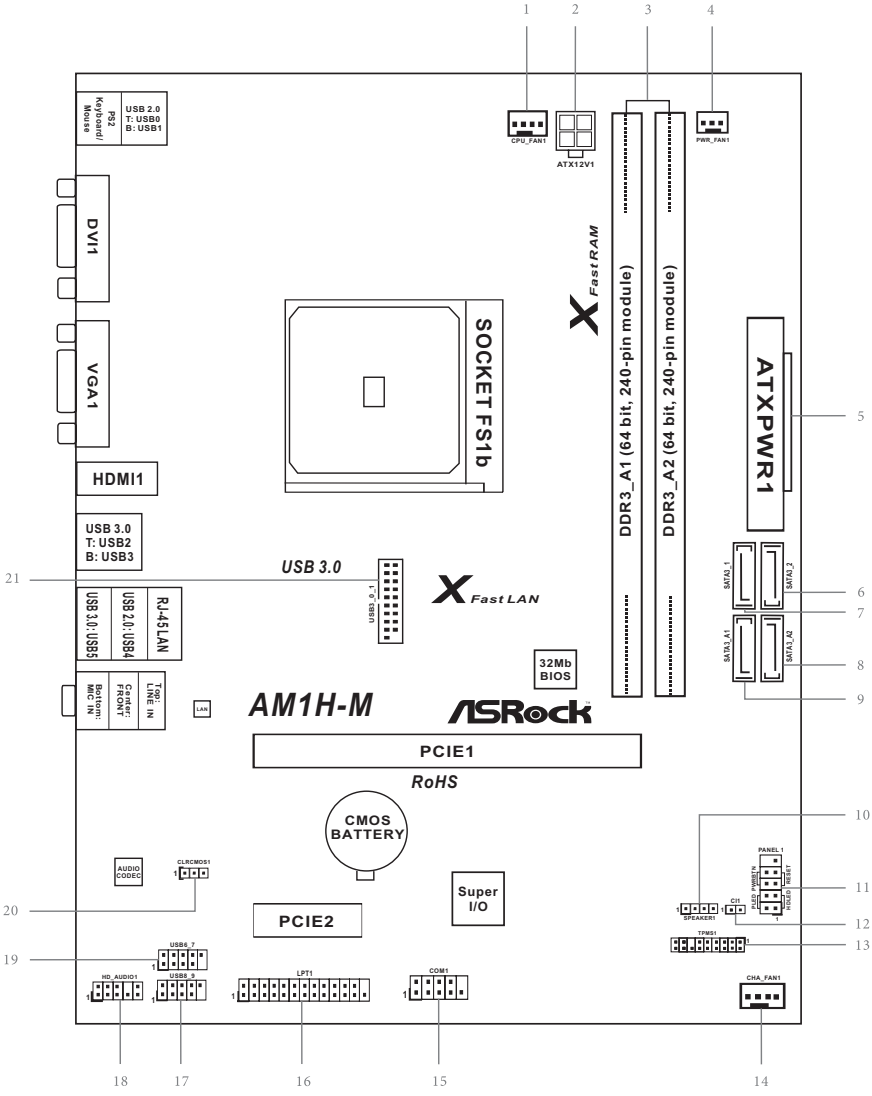
CALIFORNIA, USA ONLY

The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.
"Perchlorate Material-special handling may apply, see
www.dtsc.ca.gov/hazardouswaste/perchlorate"

ASRock Website: http://www.asrock.com

Motherboard Layout

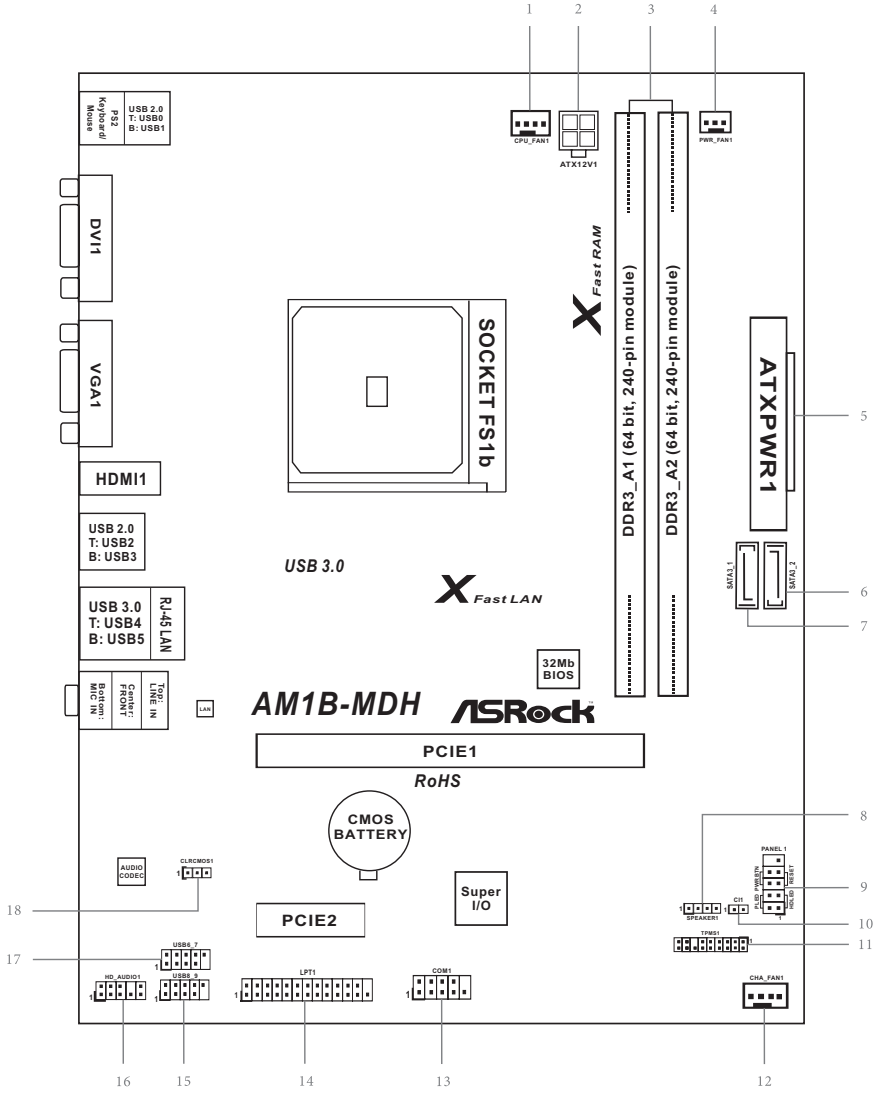
AM1H-M:



English

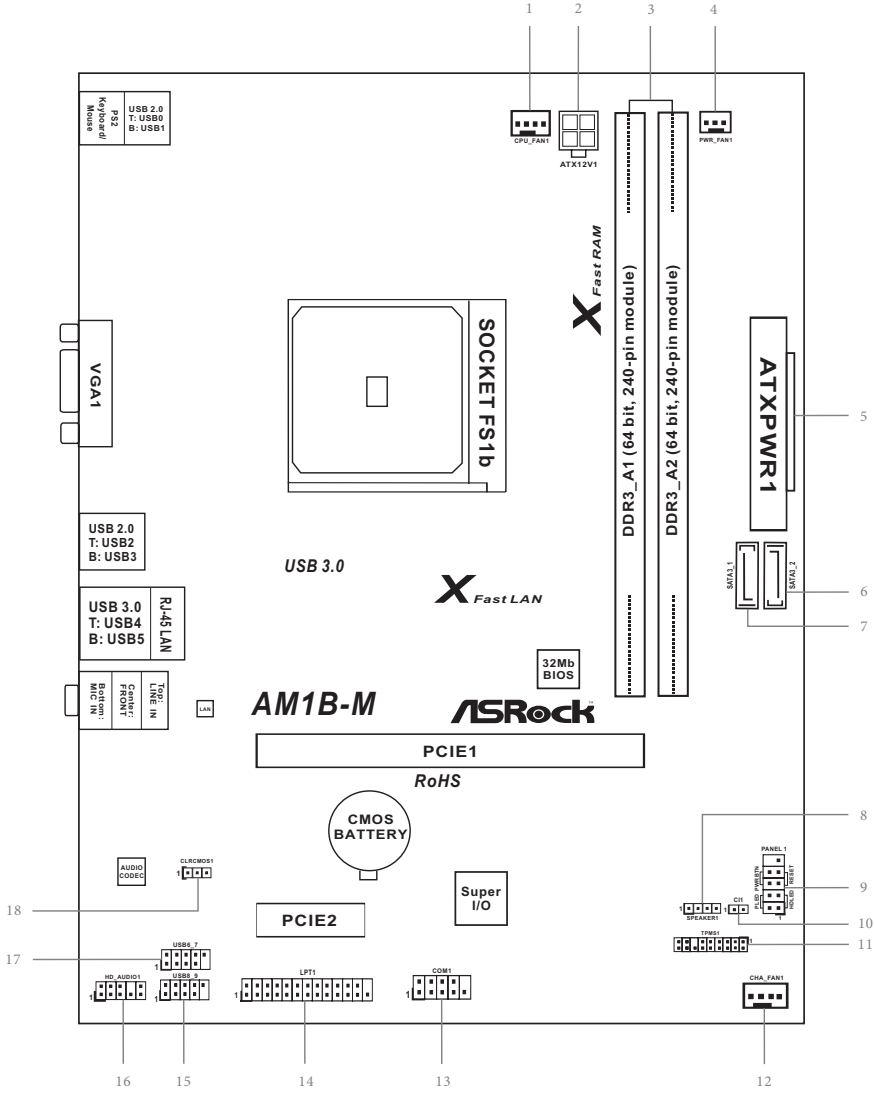
No.	Description
1	CPU Fan Connector (CPU_FAN1)
2	ATX 12V Power Connector (ATX12V1)
3	2 x 240-pin DDR3 DIMM Slots (DDR3_A1, DDR3_A2)
4	Power Fan Connector (PWR_FAN1)
5	ATX Power Connector (ATXPWR1)
6	SATA3 Connector (SATA3_2)
7	SATA3 Connector (SATA3_1)
8	SATA3 Connector (SATA3_A2)
9	SATA3 Connector (SATA3_A1)
10	Chassis Speaker Header (SPEAKER1)
11	System Panel Header (PANEL1)
12	Chassis Intrusion Header (CI1)
13	TPM Header (TPMS1)
14	Chassis Fan Connector (CHA_FAN1)
15	COM Port Header (COM1)
16	Print Port Header (LPT1)
17	USB 2.0 Header (USB8_9)
18	Front Panel Audio Header (HD_AUDIO1)
19	USB 2.0 Header (USB6_7)
20	Clear CMOS Jumper (CLRCMOS1)
21	USB 3.0 Header (USB3_0_1)

AM1B-MDH:


1
2
3
4
CPU_FAN1
ATX12V1
PWR_FAN1
PS2 Keyboard/ Mouse
USB 2.0 T: USB0 B: USB1
DVI1
VGA1
HDMI1
USB 2.0 T: USB2 B: USB3
USB 3.0 T: USB4 B: USB5
RJ-45 LAN
Rear: MIC IN
Center: FRONT
Front: LINE IN
LAN
SOCKET FS1b
Fast RAM
DDR3_A1 (64 bit, 240-pin module)
DDR3_A2 (64 bit, 240-pin module)
ATXPWR1
5
SATA3_1
SATA3_2
6
7
USB 3.0
Fast LAN
32Mb BIOS
AM1B-MDH
PCIE1
RoHS
CMOS BATTERY
Super I/O
PCIE2
AUDIO CODEC
CLRCMOS1
18
17
USB6_7
USB8_9
HD_AUDIO1
LPT1
COM1
TPMS1
SPEAKER1
CI1
PANEL 1
PLED
PWRBTN
RESET
HDLED
8
9
10
11
CHA_FAN1
16
15
14
13
12

No.	Description
1	CPU Fan Connector (CPU_FAN1)
2	ATX 12V Power Connector (ATX12V1)
3	2 x 240-pin DDR3 DIMM Slots (DDR3_A1, DDR3_A2)
4	Power Fan Connector (PWR_FAN1)
5	ATX Power Connector (ATXPWR1)
6	SATA3 Connector (SATA3_2)
7	SATA3 Connector (SATA3_1)
8	Chassis Speaker Header (SPEAKER1)
9	System Panel Header (PANEL1)
10	Chassis Intrusion Header (CI1)
11	TPM Header (TPMS1)
12	Chassis Fan Connector (CHA_FAN1)
13	COM Port Header (COM1)
14	Print Port Header (LPT1)
15	USB 2.0 Header (USB8_9)
16	Front Panel Audio Header (HD_AUDIO1)
17	USB 2.0 Header (USB6_7)
18	Clear CMOS Jumper (CLRCMOS1)

AM1B-M:

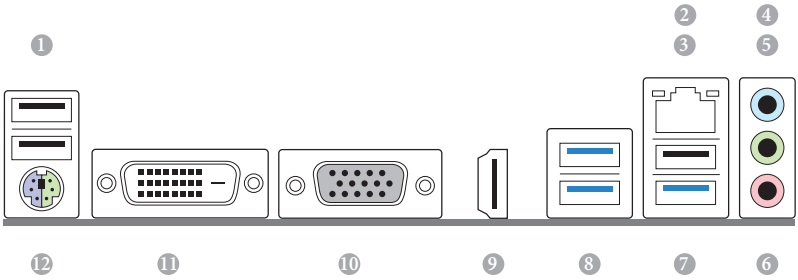


English

No.	Description
1	CPU Fan Connector (CPU_FAN1)
2	ATX 12V Power Connector (ATX12V1)
3	2 x 240-pin DDR3 DIMM Slots (DDR3_A1, DDR3_A2)
4	Power Fan Connector (PWR_FAN1)
5	ATX Power Connector (ATXPWR1)
6	SATA3 Connector (SATA3_2)
7	SATA3 Connector (SATA3_1)
8	Chassis Speaker Header (SPEAKER1)
9	System Panel Header (PANEL1)
10	Chassis Intrusion Header (CI1)
11	TPM Header (TPMS1)
12	Chassis Fan Connector (CHA_FAN1)
13	COM Port Header (COM1)
14	Print Port Header (LPT1)
15	USB 2.0 Header (USB8_9)
16	Front Panel Audio Header (HD_AUDIO1)
17	USB 2.0 Header (USB6_7)
18	Clear CMOS Jumper (CLRCMOS1)

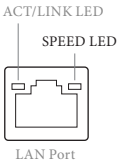
I/O Panel

AM1H-M:



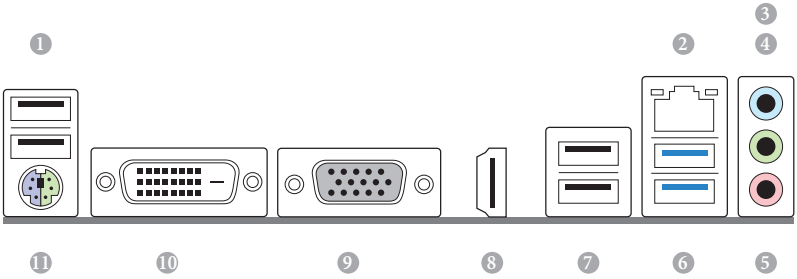
No.	Description	No.	Description
1	USB 2.0 Ports (USB01)	7	USB 3.0 Port (USB5)
2	LAN RJ-45 Port*	8	USB 3.0 Ports (USB23)
3	USB 2.0 Port (USB4)	9	HDMI Port
4	Line In (Light Blue)	10	D-Sub Port
5	Front Speaker (Lime)	11	DVI-D Port
6	Microphone (Pink)	12	PS/2 Mouse/Keyboard Port

** There are two LEDs on each LAN port. Please refer to the table below for the LAN port LED indications.*



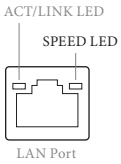
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection
Blinking	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

AM1B-MDH:



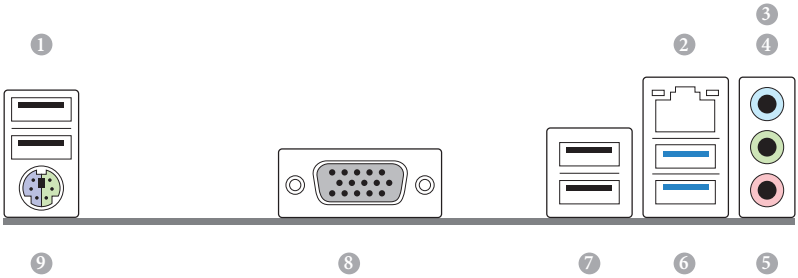
No.	Description	No.	Description
1	USB 2.0 Ports (USB01)	7	USB 2.0 Ports (USB23)
2	LAN RJ-45 Port*	8	HDMI Port
3	Line In (Light Blue)	9	D-Sub Port
4	Front Speaker (Lime)	10	DVI-D Port
5	Microphone (Pink)	11	PS/2 Mouse/Keyboard Port
6	USB 3.0 Ports (USB45)		

** There are two LEDs on each LAN port. Please refer to the table below for the LAN port LED indications.*



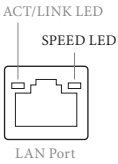
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection
Blinking	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

AM1B-M:



No.	Description	No.	Description
1	USB 2.0 Ports (USB01)	6	USB 3.0 Ports (USB45)
2	LAN RJ-45 Port*	7	USB 2.0 Ports (USB23)
3	Line In (Light Blue)	8	D-Sub Port
4	Front Speaker (Lime)	9	PS/2 Mouse/Keyboard Port
5	Microphone (Pink)		

** There are two LEDs on each LAN port. Please refer to the table below for the LAN port LED indications.*



Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection
Blinking	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

Chapter 1 Introduction

Thank you for purchasing ASRock AM1H-M / AM1B-MDH / AM1B-M motherboard, a reliable motherboard produced under ASRock's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRock's commitment to quality and endurance.

Because the motherboard specifications and the BIOS software might be updated, the content of this documentation will be subject to change without notice. In case any modifications of this documentation occur, the updated version will be available on ASRock's website without further notice. If you require technical support related to this motherboard, please visit our website for specific information about the model you are using. You may find the latest VGA cards and CPU support list on ASRock's website as well. ASRock website http://www.asrock.com.

1.1 Package Contents

- ASRock AM1H-M / AM1B-MDH / AM1B-M Motherboard (Micro ATX Form Factor)
- ASRock AM1H-M / AM1B-MDH / AM1B-M Quick Installation Guide
- ASRock AM1H-M / AM1B-MDH / AM1B-M Support CD
- 2 x Serial ATA (SATA) Data Cables (Optional)
- 1 x I/O Panel Shield

1.2 Specifications

Platform	• Micro ATX Form Factor • All Solid Capacitor design • High Density Glass Fabric PCB
CPU	• Supports AMD AM1 Socket A-series and E-series Quad-Core/Dual-Core APU up to 25W
Memory	• 2 x DDR3 DIMM Slots • Supports DDR3 1600/1333/1066 non-ECC, un-buffered memory • Max. capacity of system memory: 16GB (see CAUTION1)
Expansion Slot	• 1 x PCI Express 2.0 x16 Slot (PCIE1 @ x4 mode) • 1 x PCI Express 2.0 x1 Slot
Graphics (AM1H-M / AM1B-MDH)	• Integrated AMD Radeon™ R3 Series Graphics in A-series / E-series APU • DirectX 11.1, Pixel Shader 5.0 • Max. shared memory 4GB • Three graphics output options: D-Sub, DVI-D and HDMI • Supports HDMI with max. resolution up to 4K × 2K (4096x2160) @ 24Hz or 4K × 2K (3840x2160) @ 30Hz • Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz • Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz • Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI Port (Compliant HDMI monitor is required) • Supports HDCP with DVI-D and HDMI Ports • Supports Full HD 1080p Blu-ray (BD) playback with DVI-D and HDMI Ports
Graphics (AM1B-M)	• Integrated AMD Radeon™ R3 Series Graphics in A-series / E-series APU • DirectX 11.1, Pixel Shader 5.0 • Max. shared memory 4GB

	• Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz
Audio	• 5.1 CH HD Audio (Realtek ALC662 Audio Codec) • Supports Surge Protection (ASRock Full Spike Protection)
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR (see CAUTION2) • Supports Wake-On-WAN • Supports Wake-On-LAN • Supports Lightning/ESD Protection (ASRock Full Spike Protection) • Supports LAN Cable Detection • Supports Energy Efficient Ethernet 802.3az • Supports PXE
Rear Panel I/O (AM1H-M)	• 1 x PS/2 Mouse/Keyboard Port • 1 x D-Sub Port • 1 x DVI-D Port • 1 x HDMI Port • 3 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) • 1 x USB 3.0 Port (Supports ESD Protection (ASRock Full Spike Protection)) • 2 x USB 3.0 Ports (ASMedia Hub) (Supports ESD Protection (ASRock Full Spike Protection)) • 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) • HD Audio Jacks: Line in / Front Speaker / Microphone
Rear Panel I/O (AM1B-MDH)	• 1 x PS/2 Mouse/Keyboard Port • 1 x D-Sub Port • 1 x DVI-D Port • 1 x HDMI Port • 4 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) • 2 x USB 3.0 Ports (Supports ESD Protection (ASRock Full Spike Protection))

	• 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) • HD Audio Jacks: Line in / Front Speaker / Microphone
Rear Panel I/O (AM1B-M)	• 1 x PS/2 Mouse/Keyboard Port • 1 x D-Sub Port • 4 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) • 2 x USB 3.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) • 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) • HD Audio Jacks: Line in / Front Speaker / Microphone
Storage (AM1H-M)	• 2 x SATA3 6.0 Gb/s Connectors by AMD AM1 Series Socket 25W Quad-Core APU, support NCQ, AHCI and Hot Plug • 2 x SATA3 6.0 Gb/s Connectors by ASMedia ASM1061, support NCQ, AHCI and Hot Plug
Storage (AM1B-MDH / AM1B-M)	• 2 x SATA3 6.0 Gb/s Connectors, support NCQ, AHCI and Hot Plug
Connector	• 1 x Print Port Header • 1 x COM Port Header • 1 x Chassis Intrusion Header • 1 x TPM Header • 1 x CPU Fan Connector (4-pin) • 1 x Chassis Fan Connector (4-pin) • 1 x Power Fan Connector (3-pin) • 1 x 24 pin ATX Power Connector • 1 x 4 pin 12V Power Connector • 1 x Front Panel Audio Connector • 2 x USB 2.0 Headers (Support 4 USB 2.0 ports) (Supports ESD Protection (ASRock Full Spike Protection)) • 1 x USB 3.0 Header (Supports 2 USB 3.0 ports) (ASMedia Hub) **(Supports ESD Protection (ASRock Full Spike Protection)) (for AM1H-M)**

BIOS Feature	• 32Mb AMI UEFI Legal BIOS with GUI support • Supports "Plug and Play" • ACPI 1.1 compliance wake up events • Supports jumperfree • SMBIOS 2.3.1 support • DRAM Voltage multi-adjustment
Support CD	• Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar, Start8 (30 days trial)
Hardware Monitor	• CPU/Chassis temperature sensing • CPU/Chassis/Power Fan Tachometer • CPU Quiet Fan • CPU Fan multi-speed control • CASE OPEN detection • Voltage monitoring: +12V, +5V, +3.3V, Vcore
OS	• Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit / XP 32-bit / XP 64-bit
Certifications	• FCC, CE, WHQL • ErP/EuP ready (ErP/EuP ready power supply is required)

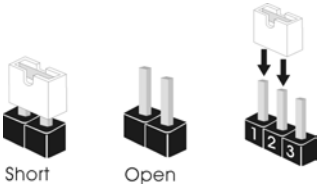
** For detailed product information, please visit our website: http://www.asrock.com*

Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS, applying Untied Overclocking Technology, or using third-party overclocking tools. Overclocking may affect your system's stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.

1. *Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 8.1 / 8 / 7 / XP. For Windows® 64-bit OS with 64-bit CPU, there is no such limitation. You can use ASRock XFast RAM to utilize the memory that Windows® cannot use.*
2. *Wake-On-WAN allows you to wake up this system from remote mobile devices, such as smart phones, tables, or other PCs. It needs third-party softwares and applications to utilize this feature. Please visit our website for ASRock Cloud topic.*

1.3 Jumpers Setup

The illustration shows how jumpers are setup. When the jumper cap is placed on the pins, the jumper is "Short". If no jumper cap is placed on the pins, the jumper is "Open". The illustration shows a 3-pin jumper whose pin1 and pin2 are "Short" when a jumper cap is placed on these 2 pins.



Clear CMOS Jumper (CLRCMOS1) (see p.1, No. 20) or (see p.3, 5, No. 18)	1_2 Default	2_3 Clear CMOS

CLRCMOS1 allows you to clear the data in CMOS. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord from the power supply. After waiting for 15 seconds, use a jumper cap to short pin2 and pin3 on CLRCMOS1 for 5 seconds. However, please do not clear the CMOS right after you update the BIOS. If you need to clear the CMOS when you just finish updating the BIOS, you must boot up the system first, and then shut it down before you do the clear-CMOS action. Please be noted that the password, date, time, and user default profile will be cleared only if the CMOS battery is removed.

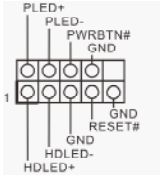
If you clear the CMOS, the case open may be detected. Please adjust the BIOS option "Clear Status" to clear the record of previous chassis intrusion status.

English

1.4 Onboard Headers and Connectors

Onboard headers and connectors are NOT jumpers. Do NOT place jumper caps over these headers and connectors. Placing jumper caps over the headers and connectors will cause permanent damage to the motherboard.

System Panel Header
(9-pin PANEL1)
(see p.1, No. 11)
or
(see p.3, 5, No. 9)



Connect the power switch, reset switch and system status indicator on the chassis to this header according to the pin assignments below. Note the positive and negative pins before connecting the cables.

PWRBTN (Power Switch):
Connect to the power switch on the chassis front panel. You may configure the way to turn off your system using the power switch.

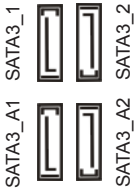
RESET (Reset Switch):
Connect to the reset switch on the chassis front panel. Press the reset switch to restart the computer if the computer freezes and fails to perform a normal restart.

PLED (System Power LED):
Connect to the power status indicator on the chassis front panel. The LED is on when the system is operating. The LED keeps blinking when the system is in S3 sleep state. The LED is off when the system is in S4 sleep state or powered off (S5).

HDLED (Hard Drive Activity LED):
Connect to the hard drive activity LED on the chassis front panel. The LED is on when the hard drive is reading or writing data.

The front panel design may differ by chassis. A front panel module mainly consists of power switch, reset switch, power LED, hard drive activity LED, speaker and etc. When connecting your chassis front panel module to this header, make sure the wire assignments and the pin assignments are matched correctly.

Serial ATA3 Connectors
(for AM1H-M)
(SATA3_1:
see p.1, No. 7)
(SATA3_2:
see p.1, No. 6)
(SATA3_A1:
see p.1, No. 9)
(SATA3_A2:
see p.1, No. 8)



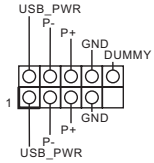
These four SATA3 connectors support SATA data cables for internal storage devices with up to 6.0 Gb/s data transfer rate.

Serial ATA3 Connectors
(for AM1B-MDH / AM1B-M)
(SATA3_1:
see p.3, 5, No. 7)
(SATA3_2:
see p.3, 5, No. 6)

These two SATA3 connectors support SATA data cables for internal storage devices with up to 6.0 Gb/s data transfer rate.

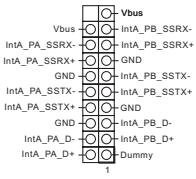
USB 2.0 Headers
(9-pin USB6_7)
(see p.1, No. 19)
or
(see p.3, 5, No. 17)

(9-pin USB8_9)
(see p.1, No. 17)
or
(see p.3, 5, No. 15)



Besides the USB 2.0 ports on the I/O panel, there are two headers on this motherboard. Each USB 2.0 header can support two ports.

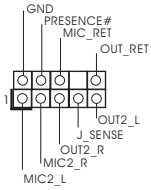
USB 3.0 Header
(for AM1H-M)
(19-pin USB3_0_1)
(see p.1, No. 21)



Besides three USB 3.0 ports on the I/O panel, there is one header on this motherboard. This USB 3.0 header can support two ports.

English

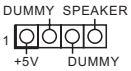
Front Panel Audio Header
(9-pin HD_AUDIO1)
(see p.1, No. 18)
or
(see p.3, 5, No. 16)



This header is for connecting audio devices to the front audio panel.

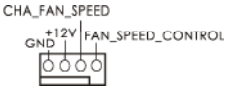
1. *High Definition Audio supports Jack Sensing, but the panel wire on the chassis must support HDA to function correctly. Please follow the instructions in our manual and chassis manual to install your system.*
2. *If you use an AC'97 audio panel, please install it to the front panel audio header by the steps below:*
   A. Connect Mic_IN (MIC) to MIC2_L.
   B. Connect Audio_R (RIN) to OUT2_R and Audio_L (LIN) to OUT2_L.
   C. Connect Ground (GND) to Ground (GND).
   D. MIC_RET and OUT_RET are for the HD audio panel only. You don't need to connect them for the AC'97 audio panel.
   E. To activate the front mic, go to the "FrontMic" Tab in the Realtek Control panel and adjust "Recording Volume".

Chassis Speaker Header
(4-pin SPEAKER1)
(see p.1, No. 10)
or
(see p.3, 5, No. 8)



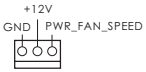
Please connect the chassis speaker to this header.

Chassis and Power Fan Connectors
(4-pin CHA_FAN1)
(see p.1, No. 14)
or
(see p.3, 5, No. 12)

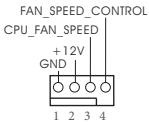
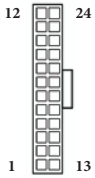
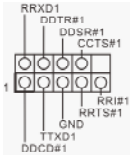


Please connect fan cables to the fan connectors and match the black wire to the ground pin.

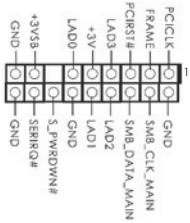
(3-pin PWR_FAN1)
(see p.1, 3, 5, No. 4)



English

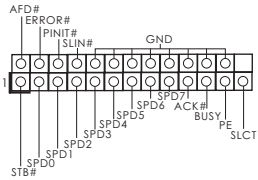
CPU Fan Connector (4-pin CPU_FAN1) (see p.1, 3, 5, No. 1)		This motherboard provides a 4-Pin CPU fan (Quiet Fan) connector. If you plan to connect a 3-Pin CPU fan, please connect it to Pin 1-3.
ATX Power Connector (24-pin ATXPWR1) (see p.1, 3, 5, No. 5)		This motherboard provides a 24-pin ATX power connector. To use a 20-pin ATX power supply, please plug it along Pin 1 and Pin 13.
ATX 12V Power Connector (4-pin ATX12V1) (see p.1, 3, 5, No. 2)		This motherboard provides an 4-pin ATX 12V power connector.
Serial Port Header (9-pin COM1) (see p.1, No. 15) or (see p.3, 5, No. 13)		This COM1 header supports a serial port module.
Chassis Intrusion Header (2-pin CI1) (see p.1, No. 12) or (see p.3, 5, No. 10)		This motherboard supports CASE OPEN detection feature that detects if the chassis cove has been removed. This feature requires a chassis with chassis intrusion detection design.

TPM Header
(17-pin TPMS1)
(see p.1, No. 13)
or
(see p.3, 5, No. 11)



This connector supports Trusted Platform Module (TPM) system, which can securely store keys, digital certificates, passwords, and data. A TPM system also helps enhance network security, protects digital identities, and ensures platform integrity.

Print Port Header
(25-pin LPT1)
(see p.1, No. 16)
or
(see p.3, 5, No. 14)



This is an interface for print port cable that allows convenient connection of printer devices.

Technische Daten

Plattform	• Micro ATX-Formfaktor • Vollständig solides Kondensatordesign • PCB mit hochverdichtetem Glasfasergewebe
Prozessor	• Unterstützt AMD-AM1-Sockel der A-Serie und E-Serie mit Quad-Core/Dual-Core-APU bis 25 W
Speicher	• 2 x DDR3-DIMM-Steckplätze • Unterstützt DDR3 1600/1333/1066 non-ECC, ungepufferter Speicher • Systemspeicher, max. Kapazität: 16GB
Erweiterungs-steckplatz	• 1 x PCI-Express 2,0-x16-Steckplatz (PCIE1: x4-Modus) • 1 x PCI-Express 2,0-x1-Steckplatz
Grafikkarte (AM1H-M / AM1B-MDH)	• Integrierte Grafikkarte der AMD Radeon™ R3-Serie in APU der A-Serie / E-Serie • DirectX 11.1, Pixel Shader 5.0 • Max. geteilter Speicher: 4 GB • Drei VGA-Ausgangsoptionen: D-Sub, DVI-D und HDMI • Unterstützt HDMI mit maximaler Auflösung von 4K x 2K (4096 x 2160) bei 24 Hz oder 4K x 2K (3840 x 2160) bei 30 Hz • Unterstützt DVI-D mit maximaler Auflösung von 1920 x 1200 bei 60 Hz • Unterstützt D-Sub mit maximaler Auflösung von 2048 x 1536 bei 60 Hz • Unterstützt Auto-Lippensynchronizität, hohe Farbtiefe (12 bpc), xvYCC und HBR (Audio mit hoher Bitrate) mit HDMI (konformer HDMI-Monitor erforderlich) • Unterstützt HDCP-Funktion mit DVI-D- und HDMI-Ports • Unterstützt Blu-ray- (BD) Wiedergabe (Full HD/1080p) mit DVI-D- und HDMI-Ports
Grafikkarte (AM1B-M)	• Integrierte Grafikkarte der AMD Radeon™ R3-Serie in APU der A-Serie / E-Serie • DirectX 11.1, Pixel Shader 5.0 • Max. geteilter Speicher: 4 GB • Unterstützt D-Sub mit maximaler Auflösung von 2048 x 1536 bei 60 Hz

Audio	• 5.1-Kanal-HD-Audio (Realtek ALC662-Audiocodec) • Unterstützt Überspannungsschutz (ASRocks Komplettschutz vor Spannungsspitzen)
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • Unterstützt Wake-On-WAN • Unterstützt Wake-On-LAN • Unterstützt Schutz vor Blitzschlag/elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen) • Unterstützt LAN-Kabelerkennung • Unterstützt energieeffizientes Ethernet 802.3az • Unterstützt PXE
Rückblende, E/A (AM1H-M)	• 1 x PS/2-Maus/Tastaturanschluss • 1 x D-Sub-Port • 1 x DVI-D-Port • 1 x HDMI-Port • 3 x USB 2.0-Ports (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 1 x USB 3.0-Port (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 2 x USB 3.0-Ports (ASMedia-Hub) (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 1 x RJ-45-LAN-Port mit LED (Aktivität/Verbindung-LED und Geschwindigkeit-LED) • HD-Audioanschluss: Line-in / Vorderer Lautsprecher / Mikrofon
Rückblende, E/A (AM1B-MDH)	• 1 x PS/2-Maus/Tastaturanschluss • 1 x D-Sub-Port • 1 x DVI-D-Port • 1 x HDMI-Port • 4 x USB 2.0-Ports (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 2 x USB 3.0-Ports (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 1 x RJ-45-LAN-Port mit LED (Aktivität/Verbindung-LED und Geschwindigkeit-LED) • HD-Audioanschluss: Line-in / Vorderer Lautsprecher / Mikrofon

Rückblende, E/A (AM1B-M)	• 1 x PS/2-Maus/Tastaturanschluss • 1 x D-Sub-Port • 4 x USB 2.0-Ports (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 2 x USB 3.0-Ports (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 1 x RJ-45-LAN-Port mit LED (Aktivität/Verbindung-LED und Geschwindigkeit-LED) • HD-Audioanschluss: Line-in / Vorderer Lautsprecher / Mikrofon
Speicher (AM1H-M)	• 2 x SATA-III-6,0-Gb/s-Anschlüsse über Quad-Core-APUs (25 Watt) für AMDs Sockel AM1, unterstützt NCQ, AHCI und „Hot-Plugging"-Funktionen • 2 x SATA-III-6,0-Gb/s-Anschlüsse über ASMedia ASM1061, unterstützt NCQ, AHCI und „Hot-Plugging"-Funktionen
Speicher (AM1B-MDH / AM1B-M)	• 2 x SATA-III-6,0-Gb/s-Anschlüsse, unterstützt NCQ, AHCI und „Hot-Plugging"-Funktionen
Anschluss	• 1 x Druckanschluss-Stiftleiste • 1 x COM-Anschluss-Stiftleiste • 1 x Gehäuseeingriff-Stiftleiste • 1 x TPM-Stiftleiste • 1 x CPU-Lüfteranschluss (4-polig) • 1 x Gehäuselüfteranschluss (4-polig) • 1 x Netzteillüfteranschluss (3-polig) • 1 x 24-poliger ATX-Netzanschluss • 1 x 4-poliger 12-V-Netzanschluss • 1 x Audioanschluss an Frontblende • 2 x USB 2.0-Stiftleisten (unterstützt vier USB 2.0-Ports) (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) • 1 x USB 3.0-Stiftleiste (unterstützt zwei USB 3.0-Ports) (ASMedia-Hub) (Unterstützt Schutz vor elektrostatischer Entladung (ASRocks Komplettschutz vor Spannungsspitzen)) **(AM1H-M)**

BIOS-Funktion	• 32-Mb-AMI-UEFI-Legal-BIOS mit Unterstützung grafischer Benutzerschnittstellen • Unterstützung für "Plug and Play" • ACPI 1.1-konforme Aufweckereignisse • JumperFree-Modus • SMBIOS 2.3.1-Unterstützung • DRAM Mehrfachspannungsanpassung
Support-CD	• Treiber, Dienstprogramme, Antivirensoftware (Testversion), Google Chrome Browser und Toolbar, Start8 (30-Tage-Testversion)
Hardware-überwachung	• CPU-/Gehäusetemperaturerkennung • CPU/Gehäuse/Netzteil-Lüftertachometer • Lautloser CPU-lüfter • CPU-lüfter-Mehrfachgeschwindigkeitssteuerung • Gehäuse-offen-Erkennung • Spannungsüberwachung: +12 V, +5 V, +3,3 V, CPU Vcore
Betriebssystem	• Konform mit Microsoft® Windows® 8.1, 32 Bit / 8.1, 64 Bit / 8, 32 Bit / 8, 64 Bit / 7, 32 Bit / 7, 64 Bit / XP, 32 Bit / XP, 64 Bit
Zertifizierungen	• FCC, CE, WHQL • ErP/EuP ready (ErP/EuP ready-Netzteil erforderlich)

Spécifications

Plateforme	• Facteur de forme Micro ATX • Conception à condensateurs solides • PCB High Density Glass Fabric
Processeur	• Prend en charge les APU Quad-Core/Dual-Core série A et série E à socket AM1 AMD jusqu'à 25 W
Mémoire	• 2 x fentes DIMM DDR3 • Prend en charge les mémoires sans tampon non ECC DDR3 1600/1333/1066 • Capacité max. de la mémoire système : 16Go
Fente d'expansion	• 1 x fente PCI Express 2.0 x 16 (PCIE1: mode x4) • 1 x fente PCI Express 2.0 x 1
Graphiques (AM1H-M / AM1B-MDH)	• APU AMD Radeon™ R3 série graphiques A-series / E-series • DirectX 11.1, Pixel Shader 5.0 • Mémoire partagée max. 4Go • Trois options de sortie VGA : D-Sub, DVI-D et HDMI • Prend en charge la technologie HDMI avec une résolution maximale de 4K x 2K (4096x2160) @ 24Hz ou 4K x 2K (3840x2160) @ 30Hz • Prend en charge le mode DVI-D avec une résolution maximale de 1920x1200 @ 60Hz • Prend en charge le mode D-Sub avec une résolution maximale de 2048x1536 @ 60Hz • Prend en charge les technologies Auto Lip Sync, Deep Color (12bpc), xvYCC et HBR (High Bit Rate Audio) avec HDMI (un écran compatible HDMI est requis) • Prend en charge la fonction HDCP via ports DVI-D et HDMI • Prend en charge la lecture Blu-ray (BD) Full HD 1080p via ports DVI-D et HDMI
Graphiques (AM1B-M)	• APU AMD Radeon™ R3 série graphiques A-series / E-series • DirectX 11.1, Pixel Shader 5.0 • Mémoire partagée max. 4Go • Prend en charge le mode D-Sub avec une résolution maximale de 2048x1536 @ 60Hz

Audio	• Audio 5.1 CH HD (codec audio Realtek ALC662) • Supporte la protection contre les surtensions (protection complète contre surges ASRock)
Réseau	• PCIE x1 Gigabit LAN 10/100/1000 Mo/s • Realtek RTL8111GR • Supporte le réveil-sur-WAN • Prend en charge la fonction Wake-On-LAN • Supporte la protection contre la foudre/ESD (protection complète contre surges ASRock) • Prise en charge de la détection de câble LAN • Prend en charge la fonction d'économie d'énergie Ethernet 802.3az • Prend en charge PXE
Connectique du panneau arrière (AM1H-M)	• 1 x port souris/clavier PS/2 • 1 x port D-Sub • 1 x port DVI-D • 1 x port HDMI • 3 x ports USB 2.0 (Supporte la protection ESD (protection complète contre surges ASRock)) • 1 x port USB 3.0 (Supporte la protection ESD (protection complète contre surges ASRock)) • 2 x ports USB 3.0 (concentrateur ASMedia) (Supporte la protection ESD (protection complète contre surges ASRock)) • 1 x port RJ-45 LAN avec LED (LED ACT/LIEN et LED VITESSE) • Connecteurs jack audio HD : entrée ligne / haut-parleur avant / microphone
Connectique du panneau arrière (AM1B-MDH)	• 1 x port souris/clavier PS/2 • 1 x port D-Sub • 1 x port DVI-D • 1 x port HDMI • 4 x ports USB 2.0 (Supporte la protection ESD (protection complète contre surges ASRock)) • 2 x ports USB 3.0 (Supporte la protection ESD (protection complète contre surges ASRock)) • 1 x port RJ-45 LAN avec LED (LED ACT/LIEN et LED VITESSE) • Connecteurs jack audio HD : entrée ligne / haut-parleur avant / microphone

Connectique du panneau arrière (AM1B-M)	• 1 x port souris/clavier PS/2 • 1 x port D-Sub • 4 x ports USB 2.0 (Supporte la protection ESD (protection complète contre surges ASRock)) • 2 x ports USB 3.0 (Supporte la protection ESD (protection complète contre surges ASRock)) • 1 x port RJ-45 LAN avec LED (LED ACT/LIEN et LED VITESSE) • Connecteurs jack audio HD : entrée ligne / haut-parleur avant / microphone
Stockage (AM1H-M)	• 2 x connecteurs SATA3 6,0 Go/s par APUs AMD AM1 Series Socket 25W Quad-Core, compatibles avec les fonctions NCQ, AHCI et « Hot Plug » • 2 x connecteurs SATA3 6,0 Go/s par ASMedia ASM1061, compatibles avec les fonctions NCQ, AHCI et « Hot Plug »
Stockage (AM1B-MDH / AM1B-M)	• 2 x connecteurs SATA3 6,0 Go/s, compatibles avec les fonctions NCQ, AHCI et « Hot Plug »
Connectique	• 1 x embase pour port d'impression • 1 x embase pour port COM • 1 x embase d'intrusion châssis • 1 x embase TPM • 1 x connecteur pour ventilateur de processeur (4 broches) • 1 x connecteur pour ventilateur de châssis (4 broches) • 1 x connecteur pour ventilateur d'alimentation (3 broches) • 1 x connecteur d'alimentation ATX 24 broches • 1 x connecteur d'alimentation 12V 4 broches • 1 x connecteur audio panneau frontal • 2 x embases USB 2.0 (pour 4 ports USB 2.0) (Supporte la protection ESD (protection complète contre surges ASRock)) • 1 x embase USB 3.0 (pour 2 ports USB 3.0) (concentrateur ASMedia) (Supporte la protection ESD (protection complète contre surges ASRock)) **(AM1H-M)**

BIOS	• BIOS UEFI AMI 32Mo avec prise en charge d'interface graphique • Support du "Plug and Play" • Compatible ACPI 1.1 Wake Up Events • Gestion jumperless • Prend en charge SMBIOS 2.3.1 • Réglage de la tension DRAM
CD inclus	• Pilotes, utilitaires, logiciel AntiVirus (version d'évaluation), navigateur Google Chrome et barre d'outils, Start8 (30 jours d'évaluation)
Surveillance du matériel	• Détection de la température du processeur/châssis ventilateur • Tachéomètre processeur/châssis/d'alimentation ventilateur • Fonction ventilateur silencieux processeur Quiet Fan • Contrôle simultané des vitesse du ventilateur processeur • Détection CHASSIS OUVERT • Surveillance de la tension d'alimentation : +12V, +5V, +3,3V, CPU Vcore
Système d'exploitation	• Compatible Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit / XP 32-bit / XP 64-bit
Certifications	• FCC, CE, WHQL • ErP/EuP Ready (alimentation ErP/EuP ready requise)

Specifiche

Piattaforma	• Fattore di forma Micro ATX • Design di condensatore solido • Circuito in vetro ad alta densità
CPU	• Supporta APU Quad-Core/Dual-Core fino a 25 W con socket AMD AM1 serie A e serie E
Memoria	• 2 x slot DIMM DDR3 • Supporta la memoria DDR3 1600/1333/1066 non ECC, senza buffer • Capacità max. della memoria di sistema: 16GB
Slot di espansione	• 1 x PCI Express 2.0 x16 slot (PCIE1: modalità x4) • 1 x PCI Express 2.0 x1 slot
Grafica (AM1H-M / AM1B-MDH)	• Grafica serie AMD Radeon™ R3 integrata in APU serie A / serie E • DirectX 11.1, Pixel Shader 5.0 • Memoria condivisa max. 4 GB • Tre opzioni uscita VGA: D-Sub, DVI-D e HDMI • Supporta HDMI con una risoluzione max. fino a 4K x 2K (4096 x 2160) a 24 Hz o 4K x 2K (3840 x 2160) a 30 Hz • Supporta DVI-D con una risoluzione max. fino a 1920 x 1200 a 60 Hz • Supporta D-Sub con una risoluzione max. fino a 2048 x 1536 a 60 Hz • Supporta Auto Lip Sync, Deep Color (12 bpc), xvYCC e HBR (High Bit Rate Audio) con HDMI (è necessario un monitor conforme ad HDMI) • Supporta la funzione HDCP con porte DVI-D e HDMI • Supporta Blu-ray (BD) Full HD 1080p, riproduzione con porte DVI-D e HDMI
Grafica (AM1B-M)	• Grafica serie AMD Radeon™ R3 integrata in APU serie A / serie E • DirectX 11.1, Pixel Shader 5.0 • Memoria condivisa max. 4 GB • Supporta D-Sub con una risoluzione max. fino a 2048 x 1536 a 60 Hz

Audio	• Audio HD a 5.1 canali (codec audio Realtek ALC662) • Supporto protezione da sovratensione (protezione completa ASRock dai picchi di corrente)
LAN	• PCIE x 1 LAN Gigabit 10/100/1000 Mb/s • Realtek RTL8111GR • Supporto WOW (Wake-On-WAN) • Supporta Wake-On-LAN • Supporto la protezione da fulmini/scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente) • Supporta il rilevamento cavo LAN • Supporta Energy Efficient Ethernet 802.3az • Supporta PXE
I/O pannello posteriore (AM1H-M)	• 1 x porta mouse/tastiera PS/2 • 1 x porta D-Sub • 1 x porta DVI-D • 1 x porta HDMI • 3 x porte USB 2.0 (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente)) • 1 x porta USB 3.0 (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente)) • 2 x porte USB 3.0 (ASMedia Hub) (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente)) • 1 x porta LAN RJ-45 con LED (ACT/LINK LED e SPEED LED) • Jack audio HD: ingresso linea/altoparlante anteriore/ microfono
I/O pannello posteriore (AM1B-MDH)	• 1 x porta mouse/tastiera PS/2 • 1 x porta D-Sub • 1 x porta DVI-D • 1 x porta HDMI • 4 x porte USB 2.0 (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente)) • 2 x porte USB 3.0 (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente))

	• 1 x porta LAN RJ-45 con LED (ACT/LINK LED e SPEED LED) • Jack audio HD: ingresso linea/altoparlante anteriore/ microfono
I/O pannello posteriore (AM1B-M)	• 1 x porta mouse/tastiera PS/2 • 1 x porta D-Sub • 4 x porte USB 2.0 (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente)) • 2 x porte USB 3.0 (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente)) • 1 x porta LAN RJ-45 con LED (ACT/LINK LED e SPEED LED) • Jack audio HD: ingresso linea/altoparlante anteriore/ microfono
Archiviazione (AM1H-M)	• 2 x connettori SATA3 6,0 Gb/s APU Quad-Core Serie AMD AM1 Socket a 25W, supporta le funzioni NCQ, AHCI e "Hot Plug" • 2 x connettori SATA3 6,0 Gb/s ASMedia ASM1061, supporta le funzioni NCQ, AHCI e "Hot Plug"
Archiviazione (AM1B-MDH / AM1B-M)	• 2 x connettori SATA3 6,0 Gb/s, supporta le funzioni NCQ, AHCI e "Hot Plug"
Connettore	• 1 x header porta stampa • 1 x header porta COM • 1 x header di intrusione nello chassis • 1 x header TPM • 1 x connettore ventola CPU (4 pin) • 1 x connettore ventola chassis (4 pin) • 1 x connettore ventola alimentazione (3 pin) • 1 x connettore alimentazione ATX a 24 pin • 1 x connettore alimentazione da 12 V a 4 pin • 1 x connettore audio pannello anteriore • 2 x header USB 2.0 (supporto 4 porte USB 2.0) (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente))

	• 1 x header USB 3.0 (supporta 2 porte USB 3.0) (ASMedia Hub) (Supporto della protezione da scariche elettrostatiche (ESD) (protezione completa ASRock dai picchi di corrente)) **(AM1H-M)**
Caratteristiche del BIOS	• BIOS legale 32 Mb AMI UEFI con supporto GUI • Supporta "Plug and Play" • Eventi di wake up conformi ad ACPI 1.1 • Supporta jumperfree • Supporto SMBIOS 2.3.1 • Multiregolazione tensione DRAM
CD di supporto	• Driver, utilità, software antivirus (versione di prova), browser e barra degli strumenti Google Chrome, Start8 (30 giorni di prova)
Hardware Monitor	• Sensore temperatura CPU/chassis ventola • Tachimetro CPU/chassis/alimentazione ventola • Ventola silenziosa CPU • Controllo multivelocità della ventola di CPU • Rilevamento CASE OPEN • Monitoraggio tensione: +12 V, +5 V, +3,3 V, CPU Vcore
SO	• Microsoft® Windows® 8.1 a 32-bit / 8.1 a 64-bit / 8 a 32-bit / 8 a 64-bit / 7 a 32-bit / 7 a 64-bit / XP a 32-bit / XP a 64-bit
Certificazioni	• FCC, CE, WHQL • ErP/EuP Ready (è necessaria alimentazione ErP/EuP ready)

Especificaciones

Plataforma	• Factor de forma Micro ATX • Diseño de los Condensadores: All Solid • PCB de fibra de vidrio de alta densidad
CPU	• Admite APU de cuatro y dos núcleos de las series A y E en zócalo AM1 AMD de hasta 25 W
Memoria	• 2 ranuras DDR3 DIMM • Compatible con memoria no-ECC, sin búfer DDR3 1600/1333/1066 • Capacidad máxima de la memoria del sistema: 16GB
Ranura de expansión	• 1 ranura PCI Express 2.0 x16 (PCIE1: modo x4) • 1 ranura PCI Express 2.0 x1
Gráficos (AM1H-M / AM1B-MDH)	• Gráficos integrados de serie R3, AMD Radeon™ con APU de serie A / serie E • DirectX 11.1, Pixel Shader 5.0 • Memoria compartida máxima: 4GB • Tres opciones de salida VGA: D-Sub, DVI-D y HDMI • Compatible con HDMI con máxima resolución hasta 4K x 2K (4096x2160) @ 24Hz o 4K x 2K (3840x2160) @ 30Hz • Compatible con DVI-D con máxima resolución hasta 1920x1200 @ 60Hz • Compatible con D-Sub con máxima resolución hasta 2048x1536 @ 60Hz • Compatible con Auto Lip Sync, Deep Color (12bpc), xvYCC y HBR (audio de alta velocidad de bits) con HDMI (requiere un monitor compatible con HDMI) • Compatible con función HDCP con puertos DVI-D y HDMI • Compatible con reproducción Blu-ray (BD) Full HD de 1080p con puertos DVI-D y HDMI
Gráficos (AM1B-M)	• Gráficos integrados de serie R3, AMD Radeon™ con APU de serie A / serie E • DirectX 11.1, Pixel Shader 5.0 • Memoria compartida máxima: 4GB • Compatible con D-Sub con máxima resolución hasta 2048x1536 @ 60Hz

Audio	• 5.1 Audio CH HD (Realtek ALC662 Audio Codec) • Admite protección contra subidas de tensión (Protección Integral contra Picos de ASRock)
LAN	• LAN Gigabit PCIE x1 10/100/1000 Mb/s • Realtek RTL8111GR • Admite Reactivación en WAN • Compatible con Wake-On-LAN • Admite protección contra rayos/ESD (Protección Integral contra Picos de ASRock) • Admite detección de conexión de cable LAN • Compatible con Ethernet de consumo eficiente de energía 802.3az • Compatible con PXE
Panel trasero I/O (AM1H-M)	• 1 puerto de ratón/teclado PS/2 • 1 puerto D-Sub • 1 puerto DVI-D • 1 puerto HDMI • 3 puertos USB 2.0 (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 1 puerto USB 3.0 (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 2 puertos USB 3.0 (Concentrador ASMedia) (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 1 puerto LAN RJ-45 con LED (ACT/LINK LED y SPEED LED) • Conector de audio HD: Entrada de línea / Altavoz frontal / Micrófono
Panel trasero I/O (AM1B-MDH)	• 1 puerto de ratón/teclado PS/2 • 1 puerto D-Sub • 1 puerto DVI-D • 1 puerto HDMI • 4 puertos USB 2.0 (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 2 puertos USB 3.0 (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 1 puerto LAN RJ-45 con LED (ACT/LINK LED y SPEED LED)

	• Conector de audio HD: Entrada de línea / Altavoz frontal / Micrófono
Panel trasero I/O (AM1B-M)	• 1 puerto de ratón/teclado PS/2 • 1 puerto D-Sub • 4 puertos USB 2.0 (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 2 puertos USB 3.0 (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 1 puerto LAN RJ-45 con LED (ACT/LINK LED y SPEED LED) • Conector de audio HD: Entrada de línea / Altavoz frontal / Micrófono
Almacenamiento (AM1H-M)	• 2 conectores SATA3 de 6,0 Gb/s de APU Serie AMD AM1 Socket 25W Quad-Core, compatibles con las funciones NCQ, AHCI y "Hot Plug" • 2 conectores SATA3 de 6,0 Gb/s de ASMedia ASM1061, compatibles con las funciones NCQ, AHCI y "Hot Plug"
Almacenamiento (AM1B-MDH / AM1B-M)	• 2 conectores SATA3 de 6,0 Gb/s, compatibles con las funciones NCQ, AHCI y "Hot Plug"
Conectores	• 1 cabezal de puerto de impresión • 1 cabezal de puerto COM • 1 cabezal de intrusión de chasis • 1 cabezal TPM • 1 conector de ventilador de la CPU (de 4 pines) • 1 conector de ventilador del chasis (de 4 pines) • 1 conector de ventilador de alimentación (de 3 pines) • 1 conector de alimentación ATX de 24 pines • 1 conector de alimentación de 12V de 4 pines • 1 conector de audio del panel frontal • 2 cabezales USB 2.0 (compatibles con 4 puertos USB 2.0) (Admite protección ESD (Protección Integral contra Picos de ASRock)) • 1 cabezal USB 3.0 (compatible con 2 puertos USB 3.0) (Concentrador ASMedia) (Admite protección ESD (Protección Integral contra Picos de ASRock)) **(AM1H-M)**

Características del BIOS	• BIOS legal UEFI AMI de 32Mb compatible con interfaz gráfica • Soporta "Plug and Play" • Eventos de reactivación conformes con ACPI 1.1 • Soporta "jumper free setup" • Compatible con SMBIOS 2.3.1 • Multiajuste de voltaje de DRAM
CD de soporte	• Controladores, Utilidades, Software AntiVirus (Versión de prueba), Explorador y Barra de herramientas de Google Chrome y Start8 (Versión de prueba de 30 días)
Monitor del hardware	• Método de sensor de temperatura de la CPU/Chasis • Tacómetro del ventilador de alimentación/CPU/Chasis • Ventilador silencioso de la CPU • Control multivelocidad del ventilador de la CPU • Detección de CUBIERTA ABIERTA • Control del voltaje: +12V, +5V, +3,3V, CPU Vcore
SO	• Compatible con Microsoft® Windows® 8.1 de 32 bits / 8.1 de 64 bits / 8 de 32 bits / 8 de 64 bits / 7 de 32 bits / 7 de 64 bits / XP de 32 bits / XP de 64 bits
Certificaciones	• FCC, CE, WHQL • Compatible con ErP/EuP (requiere toma de alimentación compatible con ErP/EuP)

Спецификация

Платформа	• Форм-фактор Micro ATX • Использование только твердотельных конденсаторов • High Density Glass Fabric PCB
ЦП	• Возможность установки вспомогательного блока питания для 4-/2-ядерных процессоров AMD AM1 серии A и E мощностью до 25 Вт
Память	• 2 x гнездо DDR3 DIMM • Поддержка модулей памяти DDR3 1600/1333/1066 Non-ECC Unbuffered • Максимальный объем системной памяти: 16 Гб
Гнезда расширения	• 1 x PCI Express 2.0 x16 гнезд (PCIE1: режим x4) • 1 x PCI Express 2.0 x1 гнезд
Графическая система (AM1H-M / AM1B-MDH)	• Встроенный процессор AMD Radeon™ R3 серии с графикой в APU серии A / серии E • DirectX 11.1, Pixel Shader 5.0 • Максимальный объем совместно используемой памяти: 4 Gб • Три выхода VGA: D-Sub, DVI-D и HDMI • Поддержка HDMI с максимальным разрешением до 4K x 2K (4096x2160) при 24 Гц и 4K x 2K (3840x2160) при 30 Гц • Поддержка DVI-D с максимальным разрешением до 1920x1200 при 60 Гц • Поддержка D-Sub с максимальным разрешением до 2048x1536 при 60 Гц • Поддержка Auto Lip Sync, Deep Color (12bpc), xvYCC и HBR (High Bit Rate Audio) по HDMI (необходим HDMI-совместимый монитор) • Поддержка функции HDCP через порты DVI-I и HDMI • Поддержка воспроизведения Full HD 1080p Blu-ray (BD) через порты DVI-D и HDMI
Графическая система (AM1B-M)	• Встроенный процессор AMD Radeon™ R3 серии с графикой в APU серии A / серии E • DirectX 11.1, Pixel Shader 5.0 • Максимальный объем совместно используемой памяти: 4 Gб

	• Поддержка D-Sub с максимальным разрешением до 2048x1536 при 60 Гц
Аудио	• 5.1-канальный звук высокой четкости HD Audio (аудиокодек Realtek ALC662) • Поддержка защиты от перенапряжений (Полная защита (ASRock от выбросов напряжения))
ЛВС	• PCIE x1 Gigabit LAN 10/100/1000 Мб/с • Realtek RTL8111GR • Поддержка Wake-On-WAN • Поддержка Wake-On-LAN • Поддержка защиты от молнии/электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • Поддержка определения кабеля ЛВС • Поддержка Energy Efficient Ethernet 802.3az • Поддержка PXE
Порты ввода-вывода на задней панели (AM1H-M)	• 1 x PS/2 мышь/для клавиатуры • 1 x D-Sub • 1 x DVI-D • 1 x HDMI • 3 x USB 2.0 (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • 1 x USB 3.0 (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • 2 x USB 3.0 (концентратор ASMedia) (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • 1 x RJ-45 для ЛВС с СИД (СИД ACT/LINK и МИД SPEED) • Разъемы HD Audio: линейный вход / передние динамики / микрофон
Порты ввода-вывода на задней панели (AM1B-MDH)	• 1 x PS/2 мышь/для клавиатуры • 1 x D-Sub • 1 x DVI-D • 1 x HDMI • 4 x USB 2.0 (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения))

	• 2 x USB 3.0 (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • 1 x RJ-45 для ЛВС с СИД (СИД ACT/LINK и МИД SPEED) • Разъемы HD Audio: линейный вход / передние динамики / микрофон
Порты ввода-вывода на задней панели (AM1B-M)	• 1 x PS/2 мышь/для клавиатуры • 1 x D-Sub • 4 x USB 2.0 (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • 2 x USB 3.0 (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • 1 x RJ-45 для ЛВС с СИД (СИД ACT/LINK и МИД SPEED) • Разъемы HD Audio: линейный вход / передние динамики / микрофон
Запоминающие устройства (AM1H-M)	• 2 x разъем SATA3 6,0 Гб/с 4-ядерного процессора AMD APU серии AM1 25Вт, поддержка функций NCQ, AHCI и «горячей» замены • 2 x разъем SATA3 6,0 Гб/с ASMedia ASM1061, поддержка функций NCQ, AHCI и «горячей» замены
Запоминающие устройства (AM1B-MDH / AM1B-M)	• 2 x разъем SATA3 6,0 Гб/с, поддержка функций NCQ, AHCI и «горячей» замены
Разъемы	• 1 x колодка порта принтера • 1 x колодка COM-порта • 1 x колодка для датчика вскрытия корпуса • 1 x колодка TPM • 1 x разъем для вентилятора ЦП (4-контактный) • 1 x разъем для вентилятора корпуса (4-контактный) • 1 x разъем для вентилятора блока питания (3-контактный) • 1 x разъем питания ATX (24-контактный) • 1 x 4-контактный разъем питания 12 В • 1 x аудиоразъем на передней панели

	• 2 x колодки USB 2.0 (поддержка 4 портов USB 2.0) (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) • 1 x колодка USB 3.0 (поддержка 2 портов USB 3.0) (концентратор ASMedia) (Поддержка защиты от электростатического электричества (Полная защита (ASRock от выбросов напряжения)) **(AM1H-M)**
Особенности BIOS	• 32 Мб AMI UEFI Legal BIOS с поддержкой ГИП • Поддержка “Plug and Play” • Совместимость с управлением энергопотреблением по ACPI 1.1 • Поддержка режима настройки без перемычек • Поддержка SMBIOS 2.3.1 • Регулировка напряжений DRAM
Диск с ПО	• Драйвера, утилиты, антивирусное ПО (демоверсия), браузер и панель инструментов Google Chrome, Start8 (демоверсия на 30 дней)
Контроль оборудования	• Датчик температуры ЦП/корпуса питания • Тахометр вентиляторов ЦП/корпуса/блока питания • Малошумящий вентилятор ЦП • Управление оборотами вентилятора ЦП • Технология определения вскрытия корпуса • Контроль напряжения: +12 В, +5 В, +3,3 В, ЦП Vcore
ОС	• Microsoft® Windows® 8.1 32-разрядная / 8.1 64-разрядная / 8 32-разрядная / 8 64-разрядная / 7 32-разрядная / 7 64-разрядная / XP 32-разрядная / XP 64-разрядная
Сертификация	• FCC, CE, WHQL • Совместимость с ErP/EuP (необходим блок питания, соответствующий стандарту ErP/EuP)

Especificações

Plataforma	• Formato Micro ATX • Design de condensador sólido • PCB de Fibra de Vidro de Alta Densidade
CPU	• Suporta Socket AMD AM1 série A e série E Quad-Core/ Dual-Core APU até 25W
Memória	• 2 x ranhuras DIMM DDR3 • Suporta memória DDR3 1600/1333/1066, não ECC, sem memória intermédia • Capacidade máxima da memória do sistema: 16GB
Ranhuras de expansão	• 1 x ranhura PCI Express 2.0 x16 (PCIE1: modo x4) • 1 x ranhura PCI Express 2.0 x1
Gráficos (AM1H-M / AM1B-MDH)	• Placa gráfica integrada AMD Radeon™ série R3 na APU série A / série E • DirectX 11.1, Pixel Shader 5.0 • Memória partilhada máxima de 4GB • Três opções de saída VGA: D-Sub, DVI-D e HDMI • Suporta HDMI com resolução máxima de até 4K x 2K (4096x2160) @ 24Hz ou 4K x 2K (3840x2160) @ 30Hz • Suporta DVI-D com resolução máxima de até 1920x1200 @ 60Hz • Suporta D-Sub com resolução máxima de até 2048x1536 @ 60Hz • Suporta Auto sincronização labial, Deep Color (12bpc), xvYCC e HBR (High Bit Rate Audio) com HDMI (É necessário um monitor compatível com HDMI) • Suporta a função HDCP com portas DVI-D e HDMI • Suporta reprodução Blu-ray (BD) Full HD a 1080p com portas DVI-D e HDMI
Gráficos (AM1B-M)	• Placa gráfica integrada AMD Radeon™ série R3 na APU série A / série E • DirectX 11.1, Pixel Shader 5.0 • Memória partilhada máxima de 4GB • Suporta D-Sub com resolução máxima de até 2048x1536 @ 60Hz

Áudio	• Áudio HD de 5.1 canais (Codec de áudio Realtek ALC662) • Suporta Proteção Contra Surto (Proteção Total contra Picos ASRock)
LAN	• LAN Gigabit 10/100/1000 Mb/s PCIE x1 • Realtek RTL8111GR • Suporta Wake-On-WAN • Suporta Wake-On-LAN • Suporta Proteção contta Relâmpago/ESD (Proteção Total contra Picos ASRock) • Suporta Detecção de cabo LAN • Suporta IEEE 802.3az • Suporta PXE
E/S do painel traseiro (AM1H-M)	• 1 x Porta PS/2 para mouse/teclado • 1 x Porta D-Sub • 1 x Porta DVI-D • 1 x porta HDMI • 3 x portas USB 2.0 (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 1 x porta USB 3.0 (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 2 x portas USB 3.0 (ASMedia Hub) (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 1 x Porta LAN RJ-45 com LED (LED ACT/LIGAÇÃO e LED DE VELOCIDADE) • Ficha de áudio HD: Entrada de linha / Altifalante frontal / Microfone
E/S do painel traseiro (AM1B-MDH)	• 1 x Porta PS/2 para mouse/teclado • 1 x Porta D-Sub • 1 x Porta DVI-D • 1 x porta HDMI • 4 x portas USB 2.0 (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 2 x portas USB 3.0 (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 1 x Porta LAN RJ-45 com LED (LED ACT/LIGAÇÃO e LED DE VELOCIDADE) • Ficha de áudio HD: Entrada de linha / Altifalante frontal / Microfone

E/S do painel traseiro (AM1B-M)	• 1 x Porta PS/2 para mouse/teclado • 1 x Porta D-Sub • 4 x portas USB 2.0 (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 2 x portas USB 3.0 (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 1 x Porta LAN RJ-45 com LED (LED ACT/LIGAÇÃO e LED DE VELOCIDADE) • Ficha de áudio HD: Entrada de linha / Altifalante frontal / Microfone
Armazenamento (AM1H-M)	• 2 x conectores SATA3 a 6,0 Gb/s APU AMD Quad-Core, de 25W, Soquete Série AM1, com suporte para NCQ, AHCI e funções "Hot Plug" • 2 x conectores SATA3 a 6,0 Gb/s ASMedia ASM1061, com suporte para NCQ, AHCI e funções "Hot Plug"
Armazenamento (AM1B-MDH / AM1B-M)	• 2 x conectores SATA3 a 6,0 Gb/s, com suporte para NCQ, AHCI e funções "Hot Plug"
Conector	• 1 x Terminal de porta de impressão • 1 x Terminal de porta COM • 1 x Terminal de intrusão no chassis • 1 x Terminal TPM • 1 x Conector da ventoinha da CPU (4 pinos) • 1 x Conector da ventoinha do chassis (4 pinos) • 1 x Conector da ventoinha de alimentação (3 pinos) • 1 x conector de alimentação de 24 pinos ATX • 1 x conector de alimentação de 12V de 4 pinos • 1 x conector de áudio do painel frontal • 2 x terminais USB 2.0 (suporte para 4 portas USB 2.0) (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) • 1 x terminal USB 3.0 (suporte para 2 portas USB 3.0) (ASMedia Hub) (Suporta Proteção ESD (Proteção Total contra Picos ASRock)) **(AM1H-M)**

Funcionalidades da BIOS	• BIOS UEFI oficial da AMI com 32Mb com suporte de interface • Suporta dispositivos "Plug and Play" • Eventos de reactivação compatíveis com ACPI 1.1 • Suporta dispositivos sem jumper • Suporta SMBIOS 2.3.1 • Multi-ajuste de tensão de DRAM
CD de suporte	• Controladores, Utilitários, Software antivírus (versão de avaliação), Navegador e Barra de Ferramentas Google Chrome, Start8 (30 dias de avaliação)
Monitor de Hardware	• Sensor de temperatura de CPU/Chassis • Taquímetro de ventoinha de CPU/Chassis/Alimentação • Ventoinha de CPU silenciosa • Controlo de velocidade da ventoinha de CPU • Detecção de ABERTURA da CAIXA • Monitorização da tensão: +12V, +5V, +3,3V, CPU Vcore
Sistema Operativo	• Microsoft® Windows® 8.1 32-bits / 8.1 64-bits / 8 32-bits / 8 64-bits / 7 32-bits / 7 64-bits / XP 32-bits / XP 64-bits
Certificações	• FCC, CE, WHQL • Preparada para ErP/EuP (é necessária uma fonte de alimentação preparada para ErP/EuP)

Özellikler

Platform	• Micro ATX Form Faktörü • Tam Katı Bağlayıcı tasarımı • Yüksek Yoğunluklu Cam Elyaflı Kumaş PCB
CPU	• AMD AM1 Soket A serisi ve E serisi Dört Çekirdek/Çift Çekirdek APU'yu 25W'a Kadar Destekler
Bellek	• 2 x DDR3 DIMM yuvaları • DDR3 1600/1333/1066 ECC olmayan, ara belleğe alınmamış belleği destekler • Maksimum sistem belleği kapasitesi: 16GB
Genişletme Yuvası	• 1 x PCI Express 2.0 x16 yuva (PCIE1: x4 modu) • 1 x PCI Express 2.0 x1
Grafikler (AM1H-M / AM1B-MDH)	• A serisi / E serisi APU'da tümleşik AMD Radeon™ R3 serisi grafikler • DirectX 11.1, Pixel Shader 5.0 • Maksimum paylaşılan bellek 4GB • Üç VGA Çıkışı seçeneği: D-sub, DVI-D ve HDMI • 4K x 2K (4096x2160) @ 24Hz ve 4K x 2K (3840x2160) @ 30Hz'ye kadar HDMI Teknolojisini destekler • 1920x1200 @ 60Hz'ye kadar DVI-D işlevini destekler • 2048x1536 @ 60Hz'ye kadar çözünürlükle D-Sub işlevini destekler • HDMI ile Otomatik Dudak Senkronizasyonu (12bpc), xvYCC ve HBR (Yüksek Bit Hızında Ses) özelliklerini destekler (Uyumlu bir HDMI monitörü kullanılmalıdır) • DVI-D ve HDMI bağlantı noktaları ile HDCP işlevini destekler • DVI-D, ve HDMI bağlantı noktalarıyla, Full HD 1080p Blu-ray (BD) kayıttan yürütme özelliklerini destekler
Grafikler (AM1B-M)	• A serisi / E serisi APU'da tümleşik AMD Radeon™ R3 serisi grafikler • DirectX 11.1, Pixel Shader 5.0 • Maksimum paylaşılan bellek 4GB • 2048x1536 @ 60Hz'ye kadar çözünürlükle D-Sub işlevini destekler

Ses	• 5.1 CH HD Ses (Realtek ALC662 Ses Codec Bileşeni) • Dalgalanma Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • WAN üzerinden açma destekler • LAN Açılışını Destekler • Yıldırım/ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması) • LAN Kablo Algılama'yı destekler • Enerji Verimliliğine Sahip Ethernet 802.3az işlevini destekler • PXE özelliğini destekler
Arka Panel I/O (AM1H-M)	• 1 x PS/2 Fare/Klavye Bağlantı Noktası • 1 x D-Sub Bağlantı Noktası • 1 x DV-D Bağlantı Noktası • 1 x HDMI Bağlantı Noktası • 3 x USB 2.0 Bağlantı noktası (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • 1 x USB 3.0 Bağlantı noktası (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • 2 x USB 3.0 Bağlantı noktası (ASMedia Hub) (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • LED'e sahip 1 x RJ-45 LAN Bağlantı Noktası (ACT/LINK LED ve SPEED LED) • HD Ses Jakı: Hat Girişi / Ön Hoparlör / Mikrofon
Arka Panel I/O (AM1B-MDH)	• 1 x PS/2 Fare/Klavye Bağlantı Noktası • 1 x D-Sub Bağlantı Noktası • 1 x DV-D Bağlantı Noktası • 1 x HDMI Bağlantı Noktası • 4 x USB 2.0 Bağlantı noktası (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • 2 x USB 3.0 Bağlantı noktası (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • LED'e sahip 1 x RJ-45 LAN Bağlantı Noktası (ACT/LINK LED ve SPEED LED) • HD Ses Jakı: Hat Girişi / Ön Hoparlör / Mikrofon

Arka Panel I/O (AM1B-M)	• 1 x PS/2 Fare/Klavye Bağlantı Noktası • 1 x D-Sub Bağlantı Noktası • 4 x USB 2.0 Bağlantı noktası (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • 2 x USB 3.0 Bağlantı noktası (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • LED'e sahip 1 x RJ-45 LAN Bağlantı Noktası (ACT/LINK LED ve SPEED LED) • HD Ses Jakı: Hat Girişi / Ön Hoparlör / Mikrofon
Depolama (AM1H-M)	• 2 x AMD AM1 dizi soket 25W Quad-Core APU SATA3 6,0 Gb/s bağlayıcıları NCQ, AHCI ve "Hot Plug" işlevlerini destekler • 2 x ASMedia ASM1061 SATA3 6,0 Gb/s bağlayıcıları NCQ, AHCI ve "Hot Plug" işlevlerini destekler
Depolama (AM1B-MDH / AM1B-M)	• 2 x SATA3 6,0 Gb/s bağlayıcıları NCQ, AHCI ve "Hot Plug" işlevlerini destekler
Bağlayıcı	• 1 x Yazdırma Bağlantı noktası bağlantısı • 1 x COM Bağlantı noktası bağlantısı • 1 x Kasa Yetkisiz Erişim bağlantısı • 1 x TPM bağlantısı • 1 x CPU Fan bağlayıcısı (4-pin) • 1 x Kasa Fanı bağlayıcısı (4-pin) • 1 x Güç Fanı bağlayıcısı (3-pin) • 1 x 24 pin ATX güç bağlayıcısı • 1 x 4 pin 12V güç bağlayıcısı • 1 x Ön panel ses bağlayıcısı • 2 x USB 2.0 bağlantısı (4 USB 2.0 bağlantı noktasını destekler) (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) • 1 x USB 3.0 bağlantısı (2 USB 3.0 bağlantı noktasını destekler) (ASMedia Hub) (ESD Korumasını destekler (ASRock Tam Ani Yükseliş Koruması)) **(AM1H-M)**

BIOS Özelliği	• GUI Desteği ile 32Mb AMI UEFI Legal BIOS • "Tak Çalıştır"ı destekler • ACPI 1.1 Uyumluluğu Uyandırma Olayları • Jumpersız ayarlamayı destekler • SMBIOS 2.3.1 Desteği • DRAM Voltaj Çoklu Ayarı
Destek CD'si	• Sürücüler, Yardımcı Yazılımlar, AntiVirüs Yazılımı (Deneme Sürümü), Google Chrome Tarayıcı ve Araç Çubuğu, Start8 (30 günlük deneme)
Donanım Monitörü	• CPU/Kasa Sıcaklığı Tespiti • CPU/Kasa/Güç Fanı Devirölçer • CPU Sessiz Fan • CPU Fanı Çoklu Hız Kontrolü • KASA AÇIK algılaması • Voltaj Denetleme: +12V, +5V, +3,3V, CPU Vcore
OS	• Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit / XP 32-bit / XP 64-bit
Belgeler	• FCC, CE, WHQL • ErP/EuP için hazır (ErP/EuP için hazır güç beslemesi gereklidir)

규격

플랫폼	• Micro ATX 폼 팩터 • 모든 솔리드 콘덴서 구조 • 고 밀도 유리 직물 PCB
CPU	• AMD AM1 소켓 A 시리즈 및 E 시리즈 쿼드 코어 / 듀얼 코어 APU 를 최대 25W 까지 지원합니다
메모리	• DDR3 DIMM 슬롯 2 개 • DDR3 1600/1333/1066 비 -ECC, 비버퍼링 메모리 지원 • 시스템 메모리 최대 용량 : 16GB
확장 슬롯	• PCI Express 2.0 x16 슬롯 1 개 (PCIE1: x4 모드) • PCI Express 2.0 x1 슬롯 1 개
그래픽 (AM1H-M / AM1B-MDH)	• A 시리즈 / E 시리즈 APU 에 통합된 AMD Radeon™ R3 시리즈 그래픽 • DirectX 11.1, Pixel Shader 5.0 • 최대 공유 메모리 4GB • VGA 출력 옵션 세 개 : D-Sub, DVI-D 및 HDMI • HDMI 지원 (최대 해상도 4K x 2K (4096x2160) @ 24Hz 및 4K x 2K (3840x2160) @ 30Hz) • DVI-D 지원 (최대 해상도 1920x1200 @ 60Hz) • D-Sub 지원 (최대 해상도 2048x1536 @ 60Hz) • Auto Lip Sync, Deep Color (12bpc), xvYCC 및 HBR (High Bit Rate Audio)(HDMI 포함) 지원 (HDMI 호환 모니터 필요) • DVI-D 및 HDMI 포트를 이용한 HDCP 기능 지원 • DVI-D 및 HDMI 포트를 이용한 Full HD 1080p Blu-ray (BD) 재생 지원
그래픽 (AM1B-M)	• A 시리즈 / E 시리즈 APU 에 통합된 AMD Radeon™ R3 시리즈 그래픽 • DirectX 11.1, Pixel Shader 5.0 • 최대 공유 메모리 4GB • D-Sub 지원 (최대 해상도 2048x1536 @ 60Hz)

오디오	• 5.1 CH HD 오디오 지원 (Realtek ALC662 오디오 코덱) • 서지 보호 (ASRock 풀 스파이크 보호) 지원
LAN	• PCIE 1 개 , Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • Wake-On-WAN 지원 • Wake-On-LAN 지원 • 조명 /ESD 보호 (ASRock 풀 스파이크 보호) 지원 • LAN 케이블 감지 지원 • 절전형 이더넷 802.3az 지원 • PXE 지원
후면 패널 I/O (AM1H-M)	• PS/2 마우스 / 키보드 포트 1 개 • D-Sub 포트 1 개 • DVI-D 포트 1 개 • HDMI 포트 1 개 • USB 2.0 포트 3 개 (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • USB 3.0 포트 1 개 (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • USB 3.0 포트 2 개 (ASMedia Hub) (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • LED 장착 RJ-45 LAN 포트 1 개 (ACT/LINK LED 및 SPEED LED) • HD 오디오 잭 : 라인 입력 / 전면 스피커 / 마이크
후면 패널 I/O (AM1B-MDH)	• PS/2 마우스 / 키보드 포트 1 개 • D-Sub 포트 1 개 • DVI-D 포트 1 개 • HDMI 포트 1 개 • USB 2.0 포트 4 개 (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • USB 3.0 포트 2 개 (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • LED 장착 RJ-45 LAN 포트 1 개 (ACT/LINK LED 및 SPEED LED) • HD 오디오 잭 : 라인 입력 / 전면 스피커 / 마이크

후면 패널 I/O (AM1B-M)	• PS/2 마우스 / 키보드 포트 1 개 • D-Sub 포트 1 개 • USB 2.0 포트 4 개 (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • USB 3.0 포트 2 개 (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • LED 장착 RJ-45 LAN 포트 1 개 (ACT/LINK LED 및 SPEED LED) • HD 오디오 잭 : 라인 입력 / 전면 스피커 / 마이크
저장 장치 (AM1H-M)	• 25W 쿼드 - 코어 APU AMD AM1 시리즈 소켓 지원 SATA3 6.0 Gb/s 커넥터 2 개 , NCQ, AHCI 및 핫 플러그 기능 지원 • ASMedia ASM1061 지원 SATA3 6.0 Gb/s 커넥터 2 개 , NCQ, AHCI 및 핫 플러그 기능 지원
저장 장치 (AM1B-MDH / AM1B-M)	• SATA3 6.0 Gb/s 커넥터 2 개 , NCQ, AHCI 및 핫 플러그 기능 지원
커넥터	• 인쇄 포트 헤더 1 개 • COM 포트 헤더 1 개 • 섀시 침입 헤더 1 개 • TPM 헤더 1 개 • CPU 팬 커넥터 1 개 (4 핀) • 섀시 팬 커넥터 1 개 (4 핀) • 전원 팬 커넥터 1 개 (3 핀) • 24 핀 ATX 전원 커넥터 1 개 • 4 핀 12V 전원 커넥터 1 개 • 전면 패널 오디오 커넥터 1 개 • USB 2.0 헤더 2 개 (USB 2.0 포트 4 개 지원) (ESD 보호 (ASRock 풀 스파이크 보호) 지원) • USB 3.0 헤더 1 개 (USB 3.0 포트 2 개 지원) (ASMedia Hub) (ESD 보호 (ASRock 풀 스파이크 보호) 지원) (AM1H-M)

BIOS 기능	• GUI 지원을 제공하는 32Mb AMI UEFI 적합형 BIOS • 플러그 앤 플레이 지원 • ACPI 1.1 준수 웨이크 업 이벤트 • 점퍼 프리 지원 • SMBIOS 2.3.1 지원 • DRAM 전압 다중 조정
지원 CD	• 드라이버 , 유틸리티 , 백신 소프트웨어 (시험판), Google Chrome 브라우저 및 툴바 , Start8 (30 일 시험판)
하드웨어 모니터	• CPU/ 섀시 온도 감지 • CPU/ 섀시 / 전원 팬 타코미터 • CPU 저소음 팬 • CPU 팬 다중 속도 조절 • 케이스 열림 감지 • 전압 모니터링 : +12V, +5V, +3.3V, CPU Vcore
OS	• Microsoft® Windows® 8.1 32 비트 / 8.1 64 비트 / 8 32 비트 / 8 64 비트 / 7 32 비트 / 7 64 비트 / XP 32 비트 / XP 64 비트
인증	• FCC, CE, WHQL • ErP/EuP 사용 가능 (ErP/EuP 사용 가능 전원공급장치 필요)

仕様

プラットフォーム	• Micro ATX フォームファクター • オール固体コンデンサー設計 • 高密度ガラス繊維 PCB
CPU	• AMD AM1 ソケット A シリーズと E シリーズの Quad-Core/ Dual-Core APU を最大 25W までサポートします
メモリ	• 2 x DDR3 DIMM スロット • DDR3 1600/1333/1066 ECC なし、アンバッファードメモリをサポート • システムメモリの最大容量：16GB
拡張スロット	• 1 x PCI Express 2.0 x16 スロット（PCIE1：x4 モード） • 1 x PCI Express 2.0 x1 スロット
グラフィックス (AM1H-M / AM1B-MDH)	• A シリーズ / E シリーズ APU に統合された AMD Radeon™ R3 シリーズグラフィックス • DirectX 11.1、ピクセルシェーダー 5.0 • 最大共有メモリ 4GB • 3 つの VGA 出力オプション：D-Sub、DVI-D、HDMI • HDMIをサポート。最大解像度4K x 2K (4096x2160) @24Hz、4K x 2K (3840x2160) @30Hz • DVI-D をサポート。 最大解像度 1920x1200 @60Hz • D-Sub をサポート。 最大解像度 2048x1536 @60Hz • HDMI（HDMI 準拠のモニターが必要）では、オートリップシンク、ディープカラー（12bpc）、xvYCC、HBR（高ビットレートオーディオ）をサポート • DVI-D と HDMI ポートで、HDCP 機能をサポート • DVI-D と HDMI ポートで、フル HD 1080p ブルーレイ (BD) 再生をサポート
グラフィックス (AM1B-M)	• A シリーズ / E シリーズ APU に統合された AMD Radeon™ R3 シリーズグラフィックス • DirectX 11.1、ピクセルシェーダー 5.0 • 最大共有メモリ 4GB • D-Sub をサポート。 最大解像度 2048x1536 @60Hz

音声	• 5.1 CH HD オーディオ（Realtek ALC662 オーディオコーデック） • サージ保護（ASRock フルスパイク保護）をサポートします
LAN	• PCIE x1 ギガビット LAN 10/100/1000 Mb/ 秒 • Realtek RTL8111GR • ウェイクオン WAN をサポートします • ウェイクオンランをサポート • 雷 /ESD 保護（(ASRock フルスパイク保護）をサポートします) • LAN ケーブル検出をサポート • エネルギー効率のよいイーサネット 802.3az をサポート • PXE をサポート
リアパネル I/O (AM1H-M)	• 1 x PS/2 マウス / キーボードポート • 1 x D-Sub ポート • 1 x DVI-D ポート • 1 x HDMI ポート • 3 x USB 2.0 ポート（ESD 保護（ASRock フルスパイク保護）をサポートします） • 1 x USB 3.0 ポート（ESD 保護（ASRock フルスパイク保護）をサポートします） • 2 x USB 3.0 ポート（ASMedia ハブ）（ESD 保護（ASRock フルスパイク保護）をサポートします） • LED 付き 1 x RJ-45 LAN ポート（ACT/LINK LED と SPEED LED） • HD オーディオジャック： ラインイン / フロントスピーカー / マイク
リアパネル I/O (AM1B-MDH)	• 1 x PS/2 マウス / キーボードポート • 1 x D-Sub ポート • 1 x DVI-D ポート • 1 x HDMI ポート • 4 x USB 2.0 ポート（ESD 保護（ASRock フルスパイク保護）をサポートします） • 2 x USB 3.0 ポート（ESD 保護（ASRock フルスパイク保護）をサポートします） • LED 付き 1 x RJ-45 LAN ポート（ACT/LINK LED と SPEED LED） • HD オーディオジャック： ラインイン / フロントスピーカー / マイク

リアパネル I/O (AM1B-M)	• 1 x PS/2 マウス / キーボードポート • 1 x D-Sub ポート • 4 x USB 2.0 ポート（ESD 保護（ASRock フルスパイク保護）をサポートします） • 2 x USB 3.0 ポート（ESD 保護（ASRock フルスパイク保護）をサポートします） • LED 付き 1 x RJ-45 LAN ポート（ACT/LINK LED と SPEED LED） • HD オーディオジャック： ラインイン / フロントスピーカー / マイク
ストレージ (AM1H-M)	• AMD AM1 シリーズソケット 25W クアッドコア APU の 2 x SATA3 6.0 Gb/ 秒コネクター、NCQ、AHCI、「ホットプラグ」機能をサポート • ASMedia ASM1061 の 2 x SATA3 6.0 Gb/ 秒コネクター、NCQ、AHCI、「ホットプラグ」機能をサポート
ストレージ (AM1B-MDH / AM1B-M)	• 2 x SATA3 6.0 Gb/ 秒コネクター、NCQ、AHCI、「ホットプラグ」機能をサポート
コネクター	• 1 x プリントポートヘッダー • 1 x COM ポートヘッダー • 1 x シャーシイントルージョンヘッダー • 1 x TPM ヘッダー • 1 x CPU ファインコネクター（4 ピン） • 1 x シャーシファンコネクター（4 ピン） • 1 x 電源ファンコネクター（3 ピン） • 1 x 24 ピン ATX 電源コネクター • 1 x 4 ピン 12V 電源コネクター • 1 x 前面パネルオーディオコネクター • 2 x USB 2.0 ヘッダー（4 つの USB 2.0 ポートをサポート）（ESD 保護（ASRock フルスパイク保護）をサポートします） • 1 x USB 3.0 ヘッダー（2 つの USB 3.0 ポートをサポート）(ASMedia ハブ) （ESD 保護（ASRock フルスパイク保護）をサポートします）(AM1H-M)

BIOS 機能	• GUI サポート付きの 32Mb AMI UEFI Legal BIOS • プラグ&プレイをサポート • ACPI 1.1 準拠のウェイクアップイベント • jumperfree • モードサポート • SMBIOS 2.3.1 をサポート • DRAM 複数電圧設定
サポート CD	• ドライバー、ユーティリティ、アンチウイルスソフトウェア（トライアル版）、Google Chrome ブラウザー、ツールバー、Start8（30 日トライアル版）
ハードウェアモニター	• CPU/ シャーシ温度センサー • CPU/ シャーシ / 電源ファンタコメーター • CPU 静音ファン • CPU ファンマルチ速度制御 • ケース開閉検知 • 電圧監視： +12V、+5V、+3.3V、CPU Vcore
OS	• Microsoft® Windows® 8.1 32 ビット / 8. 64 ビット / 8 32 ビット / 8 64 ビット / 7 32 ビット / 7 64 ビット / XP 32 ビット / XP 64 ビット
認証	• FCC、CE、WHQL • ErP/EuP Ready（ErP/EuP ready 電源が必要です）

规格

规格尺寸	• Micro ATX 规格 • 全固态电容器设计 • 高密度防潮纤维电路板
处理器	• 支持最高 25W 的 AMD AM1 Socket A 系列和 E 系列四核 / 双核 APU
内存	• 2 x DDR3 DIMM 内存插槽 • 支持 DDR3 1600/1333/1066 non-ECC、un-buffered 内存 • 系统内存最大容量 : 16GB
扩充插槽	• 1 x PCI Express 2.0 x16 插槽 (PCIE1: x4 模式) • 1 x PCI Express 2.0 x1 插槽
板载显卡 (AM1H-M / AM1B-MDH)	• A 系列 / E 系列 APU 上集成 AMD Radeon™ R3 显示核心 • DirectX 11.1、Pixel Shader 5.0 • 最大共享显示内存 4GB • 三个显示输出选项 : D-Sub，DVI-D 和 HDMI • 支持 HDMI，最大分辨率达 4K x 2K (4096x2160) @ 24Hz 或 4K x 2K (3840x2160) @ 30Hz • 支持 DVI-D，最大分辨率达 1920x1200 @ 60Hz • 支持 D-Sub，最大分辨率达 2048x1536 @ 60Hz • 支持 HDMI, 可支持自动声画同步，深色 (12bpc)，xvYCC 与 HBR (高位速音频) (需配备兼容 HDMI 的显示器) • 通过 DVI-D 和 HDMI 接口支持 HDCP • 通过 DVI-D 与 HDMI 端口支持 1080p 蓝光光盘 (BD) 高清晰播放
板载显卡 (AM1B-M)	• A 系列 / E 系列 APU 上集成 AMD Radeon™ R3 显示核心 • DirectX 11.1、Pixel Shader 5.0 • 最大共享显示内存 4GB • 支持 D-Sub，最大分辨率达 2048x1536 @ 60Hz
音效	• 5.1 声道高保真音频 (Realtek ALC662 音频编码解码器) • 支持防突波 (华擎全防护)

局域网	• PCIE x1 千兆网卡 10/100/1000 Mb/s • Realtek RTL8111GR • 支持远端開机功能 (Wake-On-WAN) • 支持网络唤醒功能 (Wake-On-LAN) • 支持防雷击 / 防 ESD 静电 (华擎全防护) • 支持网线侦测 • 支持 Energy Efficient Ethernet 802.3az • 支持 PXE
背板 I/O (AM1H-M)	• 1 x PS/2 鼠标 / 键盘接口 • 1 x D-Sub 接口 • 1 x DVI-D 接口 • 1 x HDMI 接口 • 3 x USB 2.0 接口 (支持防 ESD 静电 (华擎全防护)) • 1 x USB 3.0 接口 (支持防 ESD 静电 (华擎全防护)) • 2 x USB 3.0 接口 (ASMedia Hub) (支持防 ESD 静电 (华擎全防护)) • 1 x RJ-45 网卡接口 LED 指示灯 (ACT/LINK LED 和 SPEED LED) • HD 音频插孔 : 线性输入 / 前置 / 麦克风
背板 I/O (AM1B-MDH)	• 1 x PS/2 鼠标 / 键盘接口 • 1 x D-Sub 接口 • 1 x DVI-D 接口 • 1 x HDMI 接口 • 4 x USB 2.0 接口 (支持防 ESD 静电 (华擎全防护)) • 2 x USB 3.0 接口 (支持防 ESD 静电 (华擎全防护)) • 1 x RJ-45 网卡接口 LED 指示灯 (ACT/LINK LED 和 SPEED LED) • HD 音频插孔 : 线性输入 / 前置 / 麦克风
背板 I/O (AM1B-M)	• 1 x PS/2 鼠标 / 键盘接口 • 1 x D-Sub 接口 • 4 x USB 2.0 接口 (支持防 ESD 静电 (华擎全防护)) • 2 x USB 3.0 接口 (支持防 ESD 静电 (华擎全防护)) • 1 x RJ-45 网卡接口 LED 指示灯 (ACT/LINK LED 和 SPEED LED) • HD 音频插孔 : 线性输入 / 前置 / 麦克风

存储 (AM1H-M)	• 2 x AMD AM1 系列插槽 25W 四核心 APU 的 SATA3 6.0 Gb/s 接口，支持 NCQ、AHCI 和热插拔 • 2 x ASMedia ASM1061 的 SATA3 6.0 Gb/s 接口，支持 NCQ、AHCI 和热插拔
存储 (AM1B-MDH / AM1B-M)	• 2 x SATA3 6.0 Gb/s 接口，支持 NCQ、AHCI 和热插拔
板载接口	• 1 x 打印机端口接针 • 1 x COM 端口接针 • 1 x 机箱开启警告功能接针 • 1 x TPM 接针 • 1 x CPU 风扇接口 (4-pin) • 1 x 机箱风扇接口 (4-pin) • 1 x 电源风扇接口 (3-pin) • 1 x 24 针 ATX 电源接口 • 1 x 4 针 12V 电源接口 • 1 x 前面板音频接口 • 2 x USB 2.0 针状接头 (支持 4 个 USB 2.0 接口) (支持防 ESD 静电 (华擎全防护)) • 1 x USB 3.0 连接头 (支持 2 个 USB 3.0 接口) (支持防 ESD 静电 (华擎全防护)) (ASMedia Hub) (AM1H-M)
BIOS 特性	• 支持图形界面的 32Mb AMI UEFI Legal BIOS • 支持“即插即用” • 符合 ACPI 1.1，支持唤醒与自动开机 (Wake Up Events) • 支持免跳线 • 支持 SMBIOS 2.3.1 • DRAM 电压多功能调节器
支持光盘	• 驱动程序、应用软件、杀毒软件 (试用版)、Chrome 谷歌浏览器和工具栏、Start8 (30 天试用版)

硬件监控	• CPU/ 机箱温度检测 • CPU/ 机箱 / 电源风扇转速计 • CPU 静音风扇 • CPU 风扇多速控制 • 机箱开启侦测 • 电压实时监控 : +12V、+5V、+3.3V、核心电压
操作系统	• Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit / XP 32-bit / XP 64-bit
认证	• FCC、CE、WHQL • 支持 ErP/EuP (需要搭配支持 ErP/EuP 的电源供应器)

電子信息產品污染控制標示

依据中国发布的「电子信息产品污染控制管理办法」及 SJ/T 11364-2006「电子信息产品污染控制标示要求」，电子信息产品应进行标示，藉以向消费者揭露产品中含有的有毒有害物质或元素不致发生外泄或突变从而对环境造成污染或对人身、财产造成严重损害的期限。依上述规定，您可于本产品之印刷电路板上看见图一之标示。图一中之数字为产品之环保使用期限。由此可知此主板之环保使用期限为 10 年。

图一

有毒有害物質或元素的名稱及含量說明

若您欲了解此产品的有毒有害物质或元素的名称及含量说明，请参照以下表格及说明。

部件名称	有害物质或元素					
	铅 (Pb)	镉 (Cd)	汞 (Hg)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板及电子组件	X	O	O	O	O	O
外部信号连接头及线材	X	O	O	O	O	O

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求，然该部件仍符合欧盟指令 2002/95/EC 的规范。

备注： 此产品所标示之环保使用年限，系指在一般正常使用状况下。

繁體中文

規格

平台	• Micro ATX 尺寸 • 全固態電容設計 • 高密度防潮纖維電路板
CPU	• 支援 AMD AM1 Socket A 系列與 E 系列四核心 / 雙核心 APU (最高 25W)
記憶體	• 2 x DDR3 DIMM 插槽 • 支援 DDR3 1600/1333/1066 非 ECC、無緩衝記憶體 • 最大系統記憶體容量： 16GB
擴充插槽	• 1 x PCI Express 2.0 x16 插槽（PCIE1： x4 模式） • 1 x PCI Express 2.0 x1 插槽
顯示卡 (AM1H-M / AM1B-MDH)	• A 系列 / E 系列 APU 上整合 AMD Radeon™ R3 顯示晶片 • DirectX 11.1，Pixel Shader 5.0 • 最大共用記憶體 4GB • 三個顯示輸出選項： D-Sub、DVI-D 及 HDMI • 支援最高達 4K x 2K (4096x2160) @ 24Hz 或 4K x 2K (3840x2160) @ 30Hz 解析度的 HDMI • 支援最高達 1920x1200 @ 60Hz 解析度的 DVI-D • 支援最高達 2048x1536 @ 60Hz 解析度的 D-Sub • 支援使用 HDMI（需相容於 HDMI 監視器）的 Auto Lip Sync、Deep Color (12bpc)、xvYCC 及 HBR（高位元率音訊） • 支援含 DVI-D 及 HDMI 連接埠的 HDCP 功能 • 支援透過 DVI-D 及 HDMI 連接埠的 Full HD 1080p Blu-ray (BD) 播放
顯示卡 (AM1B-M)	• A 系列 / E 系列 APU 上整合 AMD Radeon™ R3 顯示晶片 • DirectX 11.1，Pixel Shader 5.0 • 最大共用記憶體 4GB • 支援最高達 2048x1536 @ 60Hz 解析度的 D-Sub
音訊	• 5.1 CH HD 音訊（Realtek ALC662 音訊轉碼器）功能 • 支援防突波 (ASRock 全防護)

LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • 支援 Wake-On-WAN • 支援網路喚醒 • 支援防雷擊 / 防 ESD 靜電 (ASRock 全防護) • 支援網路線偵測功能 • 支援 Energy Efficient Ethernet 802.3az • 支援 PXE
後面板 I/O (AM1H-M)	• 1 x PS/2 滑鼠 / 鍵盤連接埠 • 1 x D-Sub 連接埠 • 1 x DVI-D 連接埠 • 1 x HDMI 連接埠 • 3 x USB 2.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 1 x USB 3.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 2 x USB 3.0 連接埠 (ASMedia 集線器) (支援防 ESD 靜電 (ASRock 全防護) • 1 x RJ-45 LAN 連接埠，含 LED（ACT/LINK LED 及 SPEED LED） • HD 音訊插孔：線路輸入／前置喇叭／麥克風
後面板 I/O (AM1B-MDH)	• 1 x PS/2 滑鼠 / 鍵盤連接埠 • 1 x D-Sub 連接埠 • 1 x DVI-D 連接埠 • 1 x HDMI 連接埠 • 4 x USB 2.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 2 x USB 3.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 1 x RJ-45 LAN 連接埠，含 LED（ACT/LINK LED 及 SPEED LED） • HD 音訊插孔：線路輸入／前置喇叭／麥克風
後面板 I/O (AM1B-M)	• 1 x PS/2 滑鼠 / 鍵盤連接埠 • 1 x D-Sub 連接埠 • 4 x USB 2.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 2 x USB 3.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 1 x RJ-45 LAN 連接埠，含 LED（ACT/LINK LED 及 SPEED LED） • HD 音訊插孔：線路輸入／前置喇叭／麥克風

繁體中文

儲存裝置 (AM1H-M)	• 2 x AMD AM1 系列插槽 25W 四核心 APU 的 SATA3 6.0 Gb/s 接頭，支援 NCQ、AHCI 及「熱插拔」功能 • 2 x ASMedia ASM1061 的 SATA3 6.0 Gb/s 接頭，支援 NCQ、AHCI 及「熱插拔」功能
儲存裝置 (AM1B-MDH / AM1B-M)	• 2 x SATA3 6.0 Gb/s 接頭，支援 NCQ、AHCI 及「熱插拔」功能
接頭	• 1 x 列印連接埠接頭 • 1 x COM 連接埠接頭 • 1 x 機殼防護接頭 • 1 x TPM 接頭 • 1 x CPU 風扇接頭 (4-pin) • 1 x 機殼風扇接頭 (4-pin) • 1 x 電源風扇接頭 (3-pin) • 1 x 24 pin ATX 電源接頭 • 1 x 4 pin 12V 電源接頭 • 1 x 前面板音訊接頭 • 2 x USB 2.0 接頭（支援 4 USB 2.0 連接埠）(支援防 ESD 靜電 (ASRock 全防護) • 1 x USB 3.0 接頭（支援 2 USB 3.0 連接埠）(ASMedia 集線器) (支援防 ESD 靜電 (ASRock 全防護) (AM1H-M)
BIOS 功能	• 32Mb AMI UEFI Legal BIOS 含 GUI 支援 • 支援即插即用（Plug and Play，PnP） • ACPI 1.1 符合喚醒自動開機 • 支援 jumperfree 免跳線模式 • 支援 SMBIOS 2.3.1 • DRAM 電壓多重調整
支援 CD	• 驅動程式、公用程式、防毒軟體（試用版）、Google Chrome 瀏覽器及工具列、Start8 (30 天試用)

硬體監視器	• CPU／機殼溫度感應 • CPU／機殼／電源風扇轉速計 • CPU 靜音風扇 • CPU 風扇多重速度控制 • 機殼開啟偵測 • 電壓監控：+12V、+5V、+3.3V、CPU Vcore
作業系統	• Microsoft® Windows® 8.1 32 位元 / 8.1 64 位元 / 8 32 位元 / 8 64 位元 / 7 32 位元 / 7 64 位元 / XP 32 位元 / XP 64 位元
認證	• FCC、CE、WHQL • ErP/EuP Ready（需具備 ErP/EuP ready 電源供應器）

Spesifikasi

Platform	• Bentuk dan Ukuran Mikro ATX • Desain Kapasitor Solid • PCB Struktur Kaca Kepadatan Tinggi
CPU	• Mendukung Soket AMD AM1 seri A dan E APU Quad-Core/ Dual-Core hingga 25W
Memori	• 2 x Slot DDR3 DIMM • Mendukung DDR3 1600/1333/1066 non-ECC, memori tanpa buffer • Kapasitas maksimum memori sistem: 16GB
Slot Ekspansi	• 1 x Slot PCI Express 2.0 x16 (PCIE1: x4 mode) • 1 x Slot PCI Express 2.0 x1
Grafis (AM1H-M / AM1B-MDH)	• Grafis seri AMD Radeon™ R3 terintegrasi di APU seri A / seri E • DirectX 11.1, Pixel Shader 5.0 • Memori bersama maksimum 4GB • Tiga pilihan output VGA: D-Sub, DVI-D, dan HDMI • Mendukung HDMI dengan resolusi maksimum hingga 4K x 2K (4096x2160) @ 24Hz dan 4K x 2K (3840x2160) @ 30Hz • Mendukung DVI-D dengan resolusi maksimum hingga 1920x1200 @ 60Hz • Mendukung D-Sub dengan resolusi maksimum hingga 2048x1536 @ 60Hz • Mendukung Auto Lip Sync, Deep Color (12bpc), xvYCC, dan HBR (High Bit Rate Audio) dengan HDMI (memerlukan monitor HDMI yang kompatibel) • Mendukung fungsi HDCP dengan port DVI-D dan HDMI • Mendukung pemutaran Full HD 1080p Blu-ray (BD) dengan port DVI-D dan HDMI
Grafis (AM1B-M)	• Grafis seri AMD Radeon™ R3 terintegrasi di APU seri A / seri E • DirectX 11.1, Pixel Shader 5.0 • Memori bersama maksimum 4GB • Mendukung D-Sub dengan resolusi maksimum hingga 2048x1536 @ 60Hz

Audio	• Audio HD 5.1 CH (Realtek ALC662 Audio Codec) • Mendukung Perlindungan Lonjakan Tegangan (Perlindungan Penuh Lonjakan Tegangan ASRock)
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • Mendukung Wake-On-WAN • Mendukung Wake-On-LAN • Mendukung Perlindungan Petir/ESD (Perlindungan Penuh Lonjakan Tegangan ASRock) • Mendukung Deteksi Kabel LAN • Mendukung Energy Efficient Ethernet 802.3az • Mendukung PXE
Panel I/O Belakang (AM1H-M)	• 1 x Port Mouse/Keyboard PS/2 • 1 x Port D-Sub • 1 x Port DVI-D • 1 x Port HDMI • 3 x Port USB 2.0 (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 1 x Port USB 3.0 (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 2 x Port USB 3.0 (Hub ASMedia) (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 1 x Port LAN RJ-45 dengan LED (ACT/LINK LED dan SPEED LED) • Soket Audio HD: Saluran masuk/Speaker Depan/Mikrofon
Panel I/O Belakang (AM1B-MDH)	• 1 x Port Mouse/Keyboard PS/2 • 1 x Port D-Sub • 1 x Port DVI-D • 1 x Port HDMI • 4 x Port USB 2.0 (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 2 x Port USB 3.0 (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 1 x Port LAN RJ-45 dengan LED (ACT/LINK LED dan SPEED LED) • Soket Audio HD: Saluran masuk/Speaker Depan/Mikrofon

Panel I/O Belakang (AM1B-M)	• 1 x Port Mouse/Keyboard PS/2 • 1 x Port D-Sub • 4 x Port USB 2.0 (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 2 x Port USB 3.0 (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 1 x Port LAN RJ-45 dengan LED (ACT/LINK LED dan SPEED LED) • Soket Audio HD: Saluran masuk/Speaker Depan/Mikrofon
Penyimpanan (AM1H-M)	• 2 x Konektor SATA3 6,0 Gb/s dengan AMD AM1 seri Socket 25W Quad-Core APU, mendukung fungsi NCQ, AHCI, dan "Hot Plug" • 2 x Konektor SATA3 6,0 Gb/s dengan ASMedia ASM1061, mendukung fungsi NCQ, AHCI, dan "Hot Plug"
Penyimpanan (AM1B-MDH / AM1B-M)	• 2 x Konektor SATA3 6,0 Gb/s, mendukung fungsi NCQ, AHCI, dan "Hot Plug"
Konektor	• 1 x Header port Cetak • 1 x Header port COM • 1 x Header Intrusi Chassis • 1 x Header TPM • 1 x Konektor kipas CPU (4-pin) • 1 x Konektor kipas chassis (4-pin) • 1 x Konektor kipas daya (3-pin) • 1 x Konektor daya ATX 24 pin • 1 x Konektor daya 12V 4 pin • 1 x Konektor audio panel depan • 2 x Header USB 2.0 (mendukung 4 port USB 2.0) (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) • 1 x Header USB 3.0 (mendukung 2 port USB 3.0) (Hub ASMedia) (Mendukung Perlindungan ESD (Perlindungan Penuh Lonjakan Tegangan ASRock)) **(AM1H-M)**

Fitur BIOS	• 32Mb AMI UEFI Legal BIOS dengan dukungan GUI • Menggunakan "Plug and Play" • ACPI 1.1 Kompatibel dengan Aktivitas Pengaktifan • Menggunakan jumperfree • Dukugan SMBIOS 2.3.1 • Multipengatur Tegangan DRAM
Dukungan CD	• Driver, Utilitas, Perangkat Lunak AntiVirus (Versi Uji Coba), Google Chrome Browser dan Toolbar, Start8 (uji coba 30 hari)
Perangkat Keras Monitor	• Sensor Suhu CPU/Chassis • Takometer CPU/Chassis/Kipas Daya • Kipas Hening CPU • Kontrol Multikecepatan Kipas CPU • Deteksi CASE OPEN • Pemantauan Tegangan: +12V, +5V, +3,3V, CPU Vcore
OS	• Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit / XP 32-bit / XP 64-bit
Sertifikasi	• FCC, CE, WHQL • Siap untuk ErP/EuP (memerlukan catu daya untuk ErP/EuP)

Contact Information

If you need to contact ASRock or want to know more about ASRock, you're welcome to visit ASRock's website at http://www.asrock.com; or you may contact your dealer for further information. For technical questions, please submit a support request form at http://www.asrock.com/support/tsd.asp

ASRock Incorporation

2F., No.37, Sec. 2, Jhongyang S. Rd., Beitou District,

Taipei City 112, Taiwan (R.O.C.)

ASRock EUROPE B.V.

Bijsterhuizen 3151

6604 LV Wijchen

The Netherlands

Phone: +31-24-345-44-33

Fax: +31-24-345-44-38

ASRock America, Inc.

13848 Magnolia Ave, Chino, CA91710

U.S.A.

Phone: +1-909-590-8308

Fax: +1-909-590-1026